CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER

MARCH 1, 1952





Chloromycetin





in a pleasantly flavoured suspension

The introduction of Pædiatric Chloromycetin Palmitate marks an important advance in the administration of Chloromycetin to children and to those unable to take this antibiotic in capsule form. Pædiatric Chloromycetin Palmitate is a pleasantly flavoured suspension containing a tasteless derivative of Chloromycetin (chloramphenicol. Parke-Davis). It is extremely acceptable to children of all ages and is being acclaimed by physicians everywhere.

> Supplied in 60 c.c. bottles. Each teaspoonful (4 c.c.) contains the equivalent of 125 mgm. Chloromycetin-

Indicated (in the treatme of many bacterial, vir and rickettsial infection including :-

PERTUSSIS

PRIMARY ATYPICAL PNEUMON

BACTERIAL PNEUMONIA

INFANTILE GASTRO-ENTERI

LARYNGO-TRACHEO-BRONCH!

MENINGITIS

SALMONELLOSIS & DYSENTE

URINARY INFECTIONS

SURGICAL INFECTIONS

MEASLES

MUMPS

PARKE, DAVIS & COMPANY, LIMITED

Inc. U.S.A.

HOUNSLOW, MIDDLESE

Telephone: HOUnslow 2361

HEMIST FINDS NEW WAY TO HELP COUNTERACT DROP IN SALE OF

LUXURIES

st now, when more and more chemists re experiencing a fall in demand for ertain luxury products, this experience in chemist in Liverpool is especially resting.

For some time" he writes, "I had wondering how to make up for the in demand for luxury goods. Then, evening at home, last summer, I bened to notice a tin of Sanilav perded lavatory cleaner, and the idea flashed ugh my mind 'how would it go in the

Here was a particularly attractive ; a product closely linked with ene, so very suitable for a chemist; and nee it was made by the Ibcol people—I w from experience that the quality was ad to be good.

Anyway, I decided to try out a dozen in the shop. If they did not sell, there ld be no harm done, we could quite y use them up in the home.

Surprised by demand

On delivery, I put a few tins on display on counter, and to my surprise they started ag right away and in 3 or 4 days I found I sold out. Since then Sanilav has settled a to a regular sale of between 2 to 3 dozen a month. It was certainly an experiment worth trying, and I feel fairly convinced Sanilav would enjoy a worthwhile sale in chemist's shop."

Sanilav is the most efficient of all



Sanilav, the new "sprinkle" lavatory cleaner with the fragrant perfume, has a really attractive pack, which makes it ideal for display in a chemist's shop.



Women of all social classes are increasingly particular about keeping their homes, hygienically fresh and fragrant—hence the rapidly growing demand for Sanilav, the perfumed lavatory cleaner.

lavatory cleaners, because it does four jobs in one. (1) Keeps the lavatory bowl and bend sparkling white right through. (2) Kills dangerous germs with its powerful disinfectant action. (3) Destroys unpleasant smells. (4) Leaves the air beautifully fresh and fragrant. All that's required with Sanilav is to sprinkle overnight and flush next morning.

IF	YOUR	W	HOLE	SALER	CAN'T	SUPPLY
	Y	DU.	POST	THIS	COUPO	N

We would like your representative to call

Name.....

Adduses

Post in unsealed 1½d. stamped envelope to Ibco Products Ltd., River Road, Barking, Essex.



A certain quick-seller

IT'S NEW. IT'S NOURISHING. It's in the form. It's Bovril Brand Triturated Bee and Vegetable Weaning Food, for infants

4 months to 2 years of age. The formula was evolved to consultations with baby specialists, and the Weaning Food was given a successful trial by a Home Counties group of host as

BOVRIL BRANDTriturated Beef & Vegetable

Weaning Food

4 Varieties BEEF & TOMATO · BEEF & CARROT BEEF & SPRING CABBAGE · BEEF & MIXED VEGETABLES Lach flavour wrapped in different coloured foil wrapper)

Mothers will rush to buy this orderful Weaning Food because

- Baby's meal can be made in one n
- The prepared food is an easily di sol soft and creamy purée.
- There's no possibility of food-info in
- The retail price is 6d. for a pact of four cubes: a meal for a four-mon - 1d baby costs only ½d.
- It will be backed by large scale, 130 space national advertising.

RETAIL PRICE

6° _F

PER 4 CUBE PACKET

For full particulars of trade terms please write to BOVRIL LIMITED OLD STREET, LONDON







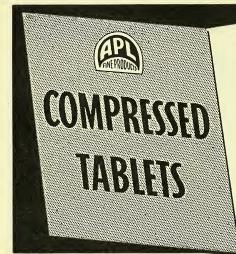
in the spring____

the debility which is an inevitable legacy of a winter characterised by epidemics of influenza and measles requires an efficient tonic as an essential first step towards recovery. Here is a tonic containing glycerophosphates, iron, manganese, caffeine citrate, tincture of nux vomica and vitamin B₁ in a palatable and easily assimilated form:

the tonic____ COLLOTONE

Packings: 4 oz., 8 oz., 80 oz. Literature will gladly be supplied on request.

BONUS TERMS: 4 oz. size only, available at 13 to the dozen.



AMINOPHYLLINE A.P.C. BARBITURATES CARBROMAL CODEINE CO. EPHEDRINE HCL. SULPHA. DRUGS THYROID VITAMINS

AMBER PHARMACEUTICALS LTD

Manufacturers of Fine Chemicals and Pharmaceutical Products

BYRON HOUSE, 7-9 ST. JAMES'S STREET, LONDON, S.W.



- Your SALES are assured if

you stock SHADEINE!

Still the best hair tint. In all natural shades. Stocked by all wholesalers. Trade prices—I oz. 18,-per doz., 2 oz. 29/7 per doz. Purchase Tax 100%. Retail Prices 3/6 and 5/9 per bottle respectively. Also the new GOLDEN SHADEING for lightening mousey hair. 2 oz. 18,-per doz., Purchase Tax 100%. Retail Price 3/6 per bottle.



THE SHADEINE CO. 49 Churchfield Rd. Acton, London, W3.



THE POWDER WITH A REPUTATION

For over 30 years Scotland's leading **Proprietary Medicine**

for the speedy relief of Headaches, Neuralgia, Neuritis and all Nerve Pains.

Manufactured by

ASKIT LTD MANUFACTURING CHEMIS GLASGOW N

and stocked by ALL LEADING WHOLESALE HOUS

INDEX TO ADVERTISERS

ne Vacuum Flask Co xvi	Cu
The Vacuum Liasa Co.	
lis, Ltd 8, 9	Cu
ans xiv	
rock Products Ltd	Da
cock Products, Ltd. 14 en & Hanburys, Ltd. Front Cover ber Pharmaceuticals, Ltd. 4	
en & namburys, Liu.	De
ber Pharmaceuticals, Ltd 4	Di
it, Ltd	Ďi
ton Sounders & Co. Ltd. vv	
ton, Daunders & Co., Lite,	Dι
No.	
	Ev
elfast Telegraph "iii	Ŀν
I, John, Hills & Lucas, Ltd 28	
	Fe
co, Ltd xiv	
-Colloids, Ltd iv	Fra
ril, Ltd	Fre
nnan, S. & Co., Ltdxvi	Fr
in C 1 Time O'1 /II-II & Coimples I Ld min	111
tish Cod Liver Oil (Hull & Grimsby), Ltd. xix	
tish Drug Houses, Ltd., The 5	Ga
oks Appliance Co., Ltd xxi	Ğİ
mleu. Wm. Chas. iii	
mleu, Wm. Chas iii roughs Wellcome & Co 31	Go
roughs wellcome & Co	
h, W. J., & Co., Ltd xvii	***
	Ha
	Ha
C T 1 1	Ha
fos, Ltd	Ĥa
vert, F. C., & Co., Ltd, viii	
risty, Thomas, & Co., Ltd xxv	He
urch & Co. (Fittings), Ltd xxii	Ho
a Laboratories, Ltd 32	Ηι
ntainer Recovery Servicevi, vii	
ntinental Laboratories, Ltd xxi	Ibe
oper, McDougall & Robertson, Ltd 18	Île
oper, wichoughi & Robertson, Liu, 10	
x, Arthur H., & Co., LtdCover iv	Int
x, Arthur H., & Co., Ltd	In
ookes Laboratories Ltd 3	
rrie William & Co (Rubber Manufac-	
T. I. Kubbei Manuac-	
urers), Ltd 20	

۵	DAFKIIZEKZ
	Cussons, Sons & Co., LtdCover ii. Cuticura Shaving StickLeader Page
	Daniel, Richard, & Son, Ltd. 12 Dearborn (1923), Ltd. 33 Distillers Co., Ltd. iv Distillers Co. (Biochemicals), Ltd. 22 Duncan, Flockhart & Co., Ltd. iv
	Evans Medical Supplies, Ltd
	Ferris & Co., Ltd. 12 Franks, A., & Bartlett Co., Ltd. 15 Freeman, William & Co., Ltd. 25 Freudentheil, Smith & Co. Leader Page
	Gardiner & Co. (The Scotch House), Ltd xxi Gledhill, G. H., & Sons, Ltd xxi Golden, Ltd 26
	Halewood Chemicals, Ltd. i. Hall, Forster & Co., Ltd. xiv Hardy, M. W., & Co., Ltd. xi Hatchwelt Co., Ltd., The xx Herts Pharmaceuticals, Ltd. xxvii Howard, L'oyd & Co., Ltd. 14 Huffer & Smith, Ltd. i.
	Ibco Products, Ltd

(continued overleaf)

Fardeners should know about $p{ m H}$ values

ITHOUT TESTING gardeners and farmers cannot know ith any certainty the condition of their land—hether to lime or not to lime. Show them these ompact, inexpensive soil testing outfits; they will them advertised in the horticultural press.

3.D.H. No. 1 Soil Testing Outfit

or amateur gardeners. Trade price 5/-: Retail 7/6

3.D.H. Barium Sulphate Soil Testing Outfit or farmers, park-keepers, etc. Trade price 37/6: Retail 50/-

showcard and supplies f counter leaflets will be mt with all initial orders.





HE BRITISH DRUG HOUSES LTD. LONDON N.I

Sto/T/1

INDEX (cont.)

Jackson, George, & Sons, Ltd
Kearsley, C. & G., Ltd.xxviKellys, John (London), Ltd.iiKemball, Bishop & Co., Ltd.xKrauth Chemicals12
McKesson & Robbins, Ltd. 27 Macdonald & Son, Ltd. 16 Marshalls Proprietaries, Ltd. 10 Menley & James, Ltd. 21 Merica M., & Co., Ltd. xiv Mitchell, L. A., Ltd. xxii Murray, S., & Co., Ltd. xxvi
National Glass Works (York), Ltd. 24 Neville Brown & Co., Ltd. 15 Nu-Swift, Ltd. xxvi
Odedent Co., The Leader Page Olley C., & Sons, Ltd. xxii Orridge & Co
Parke, Davis & Co., Ltd

Potter & Clarke, Ltd. Prince Regent Tar Co., Ltd. Progress Shaving Brush Co., Ltd. Provincial Insurance Co., Ltd.	1 .xxvi 2
Radiol Chemicals, Ltd. Ransom, Wm., & Son, Ltd. Raywarp Textiles, Ltd. Reid, David, Ltd. Rentokil, Ltd. Revai, A., & Co., Ltd. Riddell Products, Ltd.	
Sandoz Products, Ltd. School of Surgical Chiropody Sessions, Wm., Ltd. Shadeine Co. Stemco, Ltd. Stewart, Goodall & Dunlop, Ltd. Surgical & Manieure Specialists	Pag vi
Teasdale & Co., Ltd	Pag Supr 1
Wallis Laboratory, Ltd., The Leader Ward, Blenkinsop & Co., Ltd. Warrington Chemical & Drug Co., Ltd. Wesley, Harold, Ltd. Wessex Aircraft Engineering Co., Ltd. Whiffen & Sons, Ltd. Whitley & Co. (Manchester), Ltd. Wilcox, Jozeau & Co., Ltd. Wicox, Jozeau & Co., Ltd. Wood Bros. Glass Co., Ltd.	Pag

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Disinfectants

BLACK AND WHITE FLUIDS APPROVED FOR USE UNDER THE DISEASES of ANIMALS ACT, ETC.

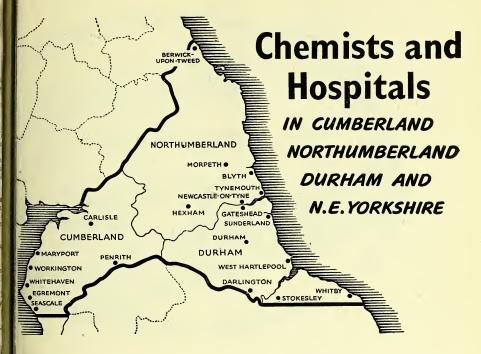
& Pine Fluids

DISINFECTANTS AND DEODORANTS—ALL TYPES PACKED IN 1, 5, 10 and 40 gallon drums.

PRINCE REGENT TAR COMPANY LTD.

(Managers: BURT, BOULTON & HAYWOOD LTD)

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Telephone: Temple Bar 5801 (8 lines)
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EAST DURHAM

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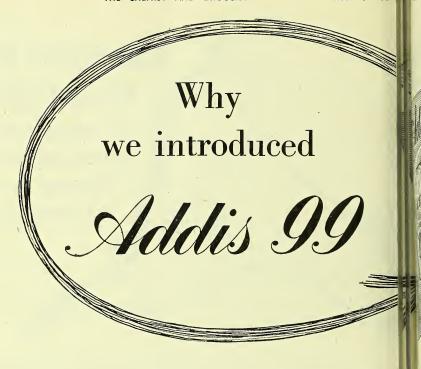
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35/37 Low Friar Street, Newcastle-on-Tyne

TELEPHONE : NEWCASTLE 28722 (3 LINES) TELEGRAMS : EVANSMED, NEWCASTLE-ON-TYNE I



Mattractively packed—and many who themselves have denture say it is the most sensible denture brush ever marketed.

But not all of them.

An almost equal number of denture wearers ask why wintroduced the Addis 99 when the Addis 88 is a far better brush.

The answer is that these tw brushes are 'designed on quit different principles.

Both are good. Both will have enthusiastic supporters amongs denture wearers. Both are mar keted because we are confident

Addis 99 will come to you packed in dozens in this attractive display sell-out. You'll find it well worth some of your valuable counter space.

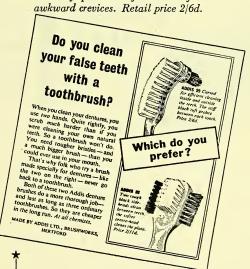
MADE BY ADDIS



there is room for both of them to make big sales. Both will be nationally advertised on a scale never before used for denture brushes. A typical advertisement is reproduced here.

Ask your wholesaler for stocks of Addis 99 and display them side by side with Addis 88. Addis 99 costs 20/-a dozen to retail at 2/6d. each. Addis 88 costs 23/4d. a dozen to retail at 2/11d. each.

B SHWORKS, HERTFORD



This is one of the advertisements for Addis denture brushes now appearing in mass-circulation newspapers and magazines—the biggest-ever publicity campaign for denture brushes.

BLACKCURRANT Cough Linctus

cherry Cough Syrup

Bronchial Emulsion



THREE FLASKS

A trio of efficient remedies of distinctive pack which will show you a good profit.

THORNTON & ROSS LIMITED

TR 16

LINTHWAITE LABORATORIES . HUDDERSFIELD



Take advantage of our grand Spring bonus offer of 13 packets for every dozen ordered. Place your order NOW! Generous Trade Terms!

NOTE. Owing to the increased price of raw materials we regret that it is necessary to increase retail price of Petal Dust Moth Powder to 7½d. per packet.

Marshall's Proprietaries Limited 127-131 High St., CROYDON, Surrey

Constant Advertising SUPPORTS 'RADIAN' PRODUCTS

Throughout 1952 constant advertising for Radia Products will be appearing in big circulationationals and periodicals; also in sportin journals and professional medical publications.

Attractive new showcards (10½"x 8") are no available. WRITE FOR ONE TODAY and mak sure you have enough stocks to meet th increasing demand for

- RADIAN B ASPIRIN SPIRIT LINIMEN
- RADIAN A FOR BUNIONS
- RADIAN B BATH SALTS
- RADIAN MASSAGE CREAM



78 UPPER RICHMOND RD,. LONDON, S.W.15

Epilepsy...

Total or partial relief in a high percentage of patients suffering from

- * Grand Mal Epilepsy
- * Jacksonian Seizures
- * Psychomotor Equivalents

is made possible by the use of

MESONTOIN

Each tablet contains 0.1g. methoin Average dosage: 2-6 tablets daily

or

HYDANTAL-SANDOZ

Each tablet contains 0.1g. methoin and 0.02g. phenobarbitone

Average dosage: 2-4 tablets daily



Literature and samples available on request

SANDOZ PRODUCTS LIMITED

134, WIGMORE STREET,

LONDON W.1



new colourful display unit! Customers see how the Pellets evolve insecticidal smoke that kills insects, that mothproofs their homes, gives temporary or permanent fly relief, controls insect pests in the glasshouse, destroys 'woodworm'—all without messy sprays! FUMITE sells—and being deadly efficient it goes on selling! The unit is FREE on request with any order for one or more standard packs of 24 tubes! Order now from your Wholesaler or direct from sole manufacturers.

FUMITE Size 1 DDT/Lindane Pellets retail at 1/6 a tube of four.



THE SMOKE INSECTICIDE

FUMITE

THE SMOKE

Brit. Pat. Nos. 621732, 621894 and 651684, others Pending.

Sole Manufacturers: WAECO LTD., (Fumite Division) 120/2 Victoria St., London, S.W.1. Telephone: Tate Gallery 9626

Factory: High Post, Salisbury, Wilts.



REGULAR ROAD DELIVERIES

In the West of England and South Wales Areas

The House in the West for all Chemists' Supplies

Send us your orders for prompt and careful attention.

FERRIS & COMPANY LTD. BRISTOL

Manufacturing and Wholesale Chemists

Telephone: BRISTOL 21381 Telegrams: FERRIS, BRISTOL



Retail price 2/9 per bottle, incl. Farade price 18/- per dozen, plus 331% Farade Chemicals LTD · WEYBRIDGE · SUR

PENICILLIN PREPARATIONS

LOZENGES · TABLETS · OINTMENTS · Etc. Aids to Dispensing Outfits of Creams and Drops

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Detailed Price List on Request

Experience gained throughout 150 years brings you "RELIANCE" FINEST DEEP SEA SPONGES



F' Being the largest bulk buyers of sponges, we are able to select the best of the crop—sponges of the finest texture; and our 150 years' experience in processing ensures for the chemist trade a product that its customers greatly value.

Attractive display materials, and interesting literature are at your disposal. Your enquiries will receive expert attention, and our representative will gladly call on request.

CRESSWELL BROS. SPONGES

(World Natural Sponge Suppliers Ltd.)

SPONGE IMPORTERS AND EXPORTERS

INTERNATIONAL BUILDING

BUCK STREET, CAMDEN TOWN, LONDON, N.W.I

Phone: GULliver 5462-3 Telegrams: Sponge, Norwest, London



Large Size

AT 4/6 PER

NAILOID sales are increasing daily and we now have pleasure in announcing the introduction of a new large "economy" size, which will prove especially popular with thousands of regular users.

PRESENTATION. The now familiar blue and white plastic containers, packed in quarter-dozen cartons. One DISPLAY UNIT which combines compelling interest with economy of space is included in each

ADVERTISING. NAILOID advertisements will appear before 7% million readers in well-known women's publications to stimulate the ever-growing demand.



ORDER TODAY FROM YOUR

> USUAL WHOLE-

SALER

Manufactured by: ALLCOCK PRODUCTS LTD. 225, Knowsley Rd., Liverpool, 20

We'll make it...or we'l market it

We have 70 years' experience

If you want pills, tablets or capsule made up to private formulae (or to one of our own formulae) . . . con sult us.

With our 70 years' experience, w have learnt quite a great deal, no only about manufacturing pharma ceuticals, but also about marketing them here and overseas.

We'd like to offer you the benefi of this experience, both in manufac turing and marketing.

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11 WATERLOO PLACE, LONDON, S.W.1 (Telephone: WHItehall 8654) AND AT LEICESTER

Makers of Fine Pharmaceuticals to the Medical Profession since 1880

and the second s

722 otography Lasettes F.G. Pan 36 exposures 9/5, 36 exposure refill 4/10.

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Film Packs (Pan) 34 x 24 in. 16/-. 9 x 12 cm. 23/4. Roll Films 24 x 34 in. Ortho 2/9, pan 3/2: 14 Ortho 2/5, Pan 2/9: 24 x 44 in. Ortho 3/8. Pan 4. Lussetjes F.G. pan 36 exposures 9/5, 36 exposure rei The sun

be friends with ferrania - the wonderful film

 Particulars of latest Ferrania cameras and films from:— Sole Wholesale Distributors:

NEVILLE BROWN 77 NEWMAN STREET, LONDON, W.I

LANgham 7161 (10 lines)

& CO. LTD

MAKE YOUR NEXT BALANCE

THE No 50

The No. 50 Dispensing Balance is a good reliable balance at a reasonable price. The light alloy beam and aluminium indicator give the scale a particularly high sensitivity.

Pans and stirrups are of brass. The box is of polished mahogany.

PRICE ... £7 78. (Weights extra)

> COUNTER SCALES CCS/55 2-lb. ... DRAM AND GRAIN WEIGHTS (Brass) ...

£15.0.0 (Weights extra) 13/3 per set

DISPENSING MEASURES

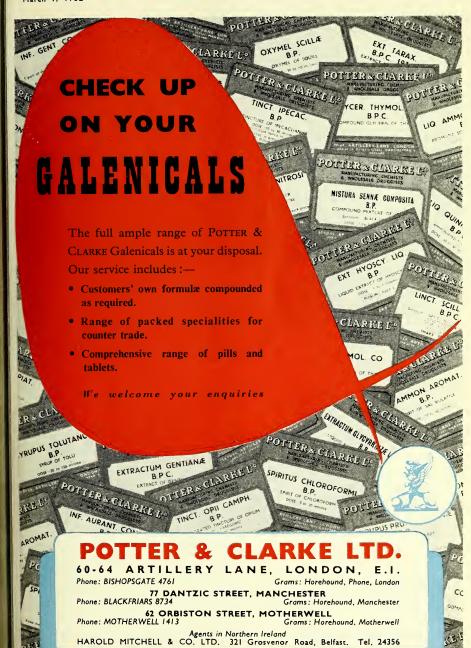
These measures are best-quality blanks engraved in London. They are guaranteed accurate and reliable.

Stam	ped				
	Conical				
	Graduation				Doz.
2 dr.	Minim	•••	•••		75/-
₫ oz.	,,	•••			78/-
Ι ,,	1 oz.—240 min.		• • •	•••	96/-
2 ,,	2 oz.—240 min.	•••	• • •		104/-
Ι,,	Drams and oz.	•••	• • •		68/-
2 ,,	,,	,	• • •		72/-
4 ,,	,,		•••	•••	80/-
	Cup				
IO OZ.	Ounces				104/-
20 ,,	,,	•••			120/-
40					T00/-

Unsta	mped				
2 OZ.	Graduat Drams and	ion	 		Doz 40/6
4 ,,	>>		 	• • • •	46/6
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IO OZ.	Ounces		 	• • • •	60/-
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MEDICINE TUMBLERS	Doz.
Clear Letter Engraved	14/6
Quantex, best quality; engraved (in cartons)	26/-

MACDONALD & SON LTD.



It's time to order COOPER'S Press-Button Fly-Killer

Housewives everywhere will soon be asking for Cooper's Household Aerosol. Containing "Pybuthrin", the safe and super-efficient fly and wasp killer, it is nine times more powerful than ordinary flyspray. Simple and safe to use—and economical too. No wonder demand, fostered by National Advertising, is likely to exceed even this year's increased production.

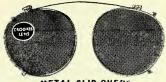
Make sure of your share of this worthwhile market—order NOW.

One size only—7/6 retail.



COOPER, McDOUGALL & ROBERTSON, LTD., BERKHAMSTED, HERTS. Est'd 1843

ORDER
through your wholesaler!



METAL CLIP-OVERS
4 sizes, Crookes Lenses, 5/- retail

Bartletts 1952 Sun glasses

THE BEST AND WIDEST SELECTION EVER!

Once again our range of Sun Glasses leads all others in offering the latest and most fashlonable styles which bring you maximum sales and profits. British, French and Italian Sun Glasses with Crookes lenses—plastic and metal frames. Teenage and children's sizes, Clip-overs and a wide variety of styles and colours to retail from 8d. to 3 guineas.

Write now for our new illustrated folder.

Alfred Franks and Bartlett Co. Ltd

Audrey House, Ely Place, London, E.C.1
Telephone: HOLborn 1078 (PX)
All wholesale enquiries to this address please.



PANTO SHAPE
Choice of colours, Crookes Lenses 2/- retail



Popular style for children 2 shapes, various colours 1/11 retail



Wide vision, Pilot-type, Gilt or Nickel plated 12/6 retail



D MODEL
Blinker style, plastic Lenses.
Choice of colours 1/- retail



Ransom's Tincture of Belladonna owes its unsurpassed quality to the care and skill which is exercised at every stage of its manufacture.

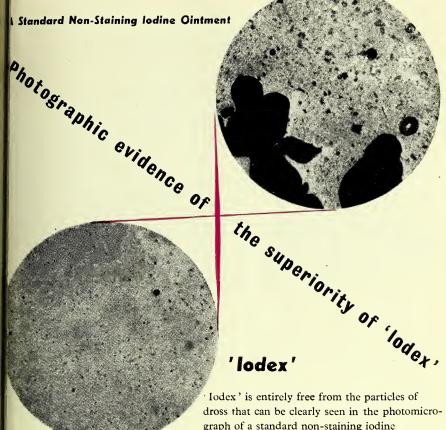


The finest vegetable drugs and galenicals come only from the finest plants. Cultivation of medicinal plants is an art that comes only from long experience. It is because Ransoms of Hitchin have specialised in drug growing for over a century that the name Ransom has become synonymous with unsurpassed quality in drugs and galenicals in all parts of the world.

Actual growers of belladonna, henbane, foxglove, chamomile peppermint and lavender

WILLIAM RANSOM & SON LTD.

Hitchin Hertfordshire England



Photomicrographs X100

Frade Price
-oz. jars 18/9 doz. 4-oz. jars 52/3 doz.
Purchase Tax
t-oz. jars 6/3 doz. 4-oz. jars 17/5 doz.
Retail Price

1-oz. jars 2/9 each. 4-oz. jars 7/6 each.

dross that can be clearly seen in the photomicrograph of a standard non-staining iodine ointment. These particles have a high iodine content and, being too large to be absorbed by the skin, remain on the surface and may cause irritation and staining.

In 'Iodex' the iodine content is uniformly distributed throughout the ointment; there are no local concentrations. The iodine is thus readily absorbed by the skin, and complete blandness and freedom from staining are ensured.

"lodex" non-staining iodine cintment

MENLEY & JAMES, LIMITED, 123 COLDHARBOUR LANE, LONDON. S.E 5
owners of the trade mark 'Iodex'

D

***A clear picture** of the I.C.C. lines

a short paragraph on the Bonus Terms

that's all the busy Chemis wants these days.....

— So said the Sales Director at a Marketing Discussi<mark>on la</mark>st week.

INTERNATIONAL CHEMICAL COMP<mark>ANY L</mark>T



ery pharmacist buying one of the xed parcels of I.C.C. goods is titled to an extra Display Bonus on terms outlined in return for his mise to display at least 'Anadin', olynos' and 'BiSoDoL' for not less in 14 days following delivery of the reel.

DISPLAY BONUS TERMS

On a parcel of more than £5 but less than £10 in value

On a parcel of the value of £10 and over $12\frac{1}{2}\%$

WINDOW DISPLAY BONUS

NIES, STREET LONDON W.C.I



DISPENSING BOTTLES

I-oz. to 20-oz. Plain-Cork Mouth or Screw. Graduated — Cork Mouth only. RIBBED OVALS

Cork Mouth or Screw

 $\frac{1}{2}$ -oz. 1-oz. $1\frac{1}{2}$ -oz. 2-oz. & 3-oz. Medium or Tall.

TABLET BOTTLES Nos. I to $7\frac{1}{2}$ sizes. ROUND SCREW JARS $\frac{1}{2}$ -oz. I-oz. 2-oz. 4-oz.

 $\frac{1}{2}$ -oz. 1-oz. 2-oz. 4-oz. Also Round Squat Screw Jars $\frac{1}{4}$ -oz. $\frac{1}{2}$ -oz. and 4-oz.

SCREW GAPS—Black Bakelite, White Enamelled Tinplate & Satin Finish Aluminium

NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK, England. Tel. York 3021 also at 105, Hatton Garden, London, E.C.1. Tel. Holborn 2146

WHOLESALE ONLY

 $\langle N \rangle$

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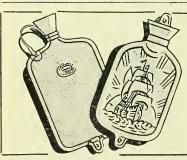
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*BMJ, 8 December, 1951, page 1361.

† J. Amer. med. Ass., 3 November, 1951, page 918.

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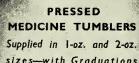
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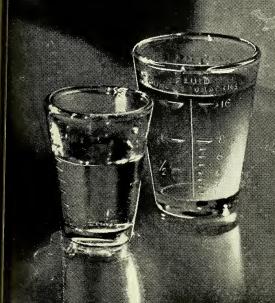
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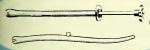
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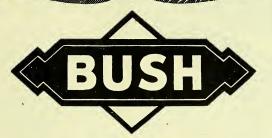
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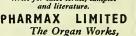
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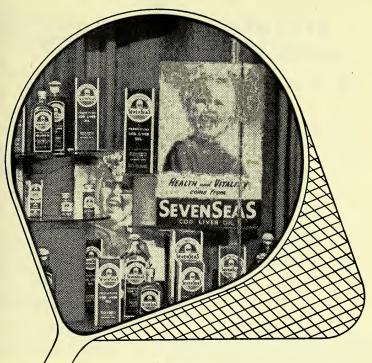
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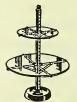
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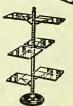
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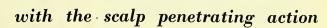
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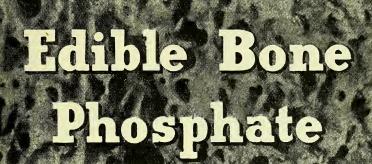


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Volume CLVII CONT	ENTS No. 3758
A Factory at Southampton 281	Motions for Branch Representatives 280
A Famous Pharmacy Passes 2/1	Mr. Linstead on N.H.S. Trends 280
Allowable Expenses for Income-tax 288	Newcomer's Notebook—5 290
Births	New Companies 274
Business Changes	New Companies
Codex Supplement, 1952 295	News in Pictures
Coming Events 277	Personalities 277
Correspondence 287	Pharmaceutical Society of Northern
Deaths 276	Ireland—Council Meeting 279
Developing Colonial Raw Materials 299	Poisoning from Teething Powders 292
Editorial Articles:—	Price Changes 300
Oxygen Equipment under N.H.S. 285	The Week in Parliament 275
Unnecessary Risks with Ampoules 286	Topical Reflections 273
Overseas Trade in January 286	Trade Notes 278
Standards for Non-official Drugs 286	Trade Report 296
Injection Solutions in Hospitals 291	What Chemists are Thinking 293
Legal Reports 275	Women Pharmacists' Dinner 283

NEWS OF THE WEEK

Sales Conference.—The sixteenth annual sales conference of T. J. Smith & Vephew, Ltd., Hull, was held in Hull ecently, Mr. T. L. Whittaker (a director and general sales manager) in the chair. A presentation was made to Mr. C. Braneld (sales representative) on his retirenent. (Picture, p. 282).

New Anti-Tuberculosis Drugs. — Preiminary trials are reported from America of drugs related to niacin which have nti-tubercular activity. The drugs and nakers include Rimifon (Hoffman La Roche, Inc.); Nydrazid (E. R. Squibb & Sons); and Aldinamide (American Cyanamid Co., Lederle Laboratories Division). "Unusually favourable" results were observed.

Statutory Committee Inquiry.—The Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.I, at 3 p.m. on March 5, to consider information and evidence received by the Committee from which it appears that a member of the Society dispensed a National Health Ser-

vice prescription otherwise than in accordance with the prescriber's directions.

Pharmacist Found Dead.—Mr. Douglas Curry, M.P.S., a pharmacist at Hammersmith Hospital, London, was found dead in a loft at his home at Milton Road, Ickenham, Middlesex, after he had been missing for three weeks. He is believed to have died from the effects of poison. A bottle and an empty glass were found beside the body.

Chocolate and Sweets Ration. — The chocolate and sweets ration will be maintained at the present level of 6 oz, for the 8-week period which began on February 24. Coupons for the ration period No. 11 are the four D.11 and four E.11 on page 23 of ration book R.B.1; page 21 of ration book R.B.2. The D coupons will be worth 2 points and E coupons 4 points each. The points value of chocolate and sweets remain at 16 points a pound.

East African Campaign for Blind.—A United Kingdom committee and Government-assisted committees in Kenya and Uganda are planning to raise £75,000 to

provide funds for, among other things, medical research into the causes and incidence of blindness and eye diseases. A similar committee is being formed in Tanganyika,

Tuberculosis Conference.—The third Commonwealth and Empire Health and Tuberculosis Conference is being held in London in July. Inquiries from industrial executives interested in preventive medicine applied to tuberculosis should be sent to the National Association for the Prevention of Tuberculosis, Tavistock House North, Tavistock Square, London, W.C.I.

Dundee Dinner and Dance.—The Dundee and Eastern Scottish Branch of the Pharmaceutical Society held its annual whist drive, dinner and dance in Dundee recently, Miss F. M. Jenkins (chairman) presiding, when more than 200 people attended, Mr. D. McKiddie (vice-chairman was cardmaster. The following were prizewinners:—Ladies: 1, Mrs. M. Duncan, 2, Mrs. V. A. McKiddie, 3, Mrs. J. Gibson; consolation prize, Miss P. Hunter. Gentlemen: 1, Mr. A. Wilson, 2, Mr. H. J. Johnstone, 3, Mr. G. W. Orr; consolation prize, Mr. H. Blackley. (Picture p. 282).

Liverpool Locum Scheme.—The Liverpool Chemists' Association has drawn up a scheme for making locums available in an emergency to any pharmacy in the area. Mr. H. W. Cottle (secretary of the Association) has asked for the co-operation of all pharmacists who are able and willing to carry out part-time work at a moment's notice. Volunteers are expected mainly from pharmacists who are retired and from married women pharmacists. A salary scale of £2 2s. per day and £1 5s. per half day has been laid down. Pharmacists wishing to co-operate should communicate with Mr. Cottle, 12 Beacon Lane, Liverpool, 5, stating their name, qualification, address, telephone number, whether retired or married, and if willing to attend any day of the week or only on particular days.

Report on N.H.S. Remuneration.—At the conference of representatives of Pharmaceutical Committees held in London on February 13 (C. & D., February 23, p. 243), Mr. G. H. M. Graham gave a report on remuneration to contractors under N.H.S. Mr. Graham reviewed the outcome of previous conferences, and said that, between February 3 and 16, a second inquiry into contractors finances was being carried out. The levy, if implemented, would again change the

picture, and a third survey might be nece sary. Since a patient who had to pay or shilling per form for his prescription could hardly be expected to pay a bott deposit as well, an increased contains allowance would also be called for. M Graham asked for a renewed mandate for the committee to continue its work, and motion to that effect was carried unan mously.

Dinner by Candlelight.—The electr. light failed shortly after the commencement of a dinner held by the Leiceste and Leicestershire Branch of the Pharms ceutical Society on February 4 and late comers were received by candlelight. Th guests included the lord mayor and lad mayoress of Leicester, Messrs. C. Gun (head of the school of pharmacy of the Leicester College of Technology and Conmerce), W. P. B. Phillpotts (chairman Northampton Branch of the Society) an A. J. Mellors (chairman, Derby Branch The lord mayor said that there had bee four mayors of Leicester who apothecaries or druggists. Mr. Gunn, proposing the toast "The Society and i Branches," said that the science of chem istry owed a debt to the Society. It wa largely through the Society, he said, that technical colleges had begun to teac pharmacy. (Picture p. 282).

First International Conference.—Th Guild of Public Pharmacists announce that the first international conference of hospital pharmacists is being held Basle, Switzerland, September 17-19. will include scientific talks dealing wit subjects of common interest to hospital pharmacists: talks relating to the admir istrative problems of hospital pharmacists short reports on specialised aspects of th hospital pharmacist's work (preparation of medicines, test analyses, biological analyse etc.); demonstrations of hospital phar macy equipment; and visits to pharma ceutical factories, the pharmacy of the Basle Hospital, the museum of historica pharmacy, etc. Hospital pharmacists wh wish to read papers or to attend ar asked to inform Dr. K. Steiger, The Car ton Pharmacy, Zurich, Switzerland, b May 15. Further information may b obtained from Mr. H. S. Grainger, chie pharmacist, Westminster Hospital, Lon don. S.W.I.

Resolutions of Protest.—A meeting called jointly by the pharmacy group of the Socialist Medical Association, the Association of Pharmaceutical Employees, and

he Association of Scientific Workers, and eld in London on February 22, passed a esolution (a) endorsing a view expressed in anuary 1950 by the Council of the Pharnaceutical Society and (b) declaring that it vas no less apposite today. [The Council t that time gave its opinion that the hilling charge for prescriptions "will be rejudicial to the use of the Service by ersons who need medical attention but vill not reduce excessive and unnecessary esort to doctors and chemists by those who are least deserving of the benefits they re receiving."] The resolution strongly protested against the charge and called on he Government to abandon it. A second esolution protested against the Council's efusal to allow the meeting to be held at he Society's headquarters.

IRISH NEWS

Damage by Fireworks. - Damages of £35 were awarded at Belfast recorder's pourt recently to Samuel G. Fyffe, trading W. J. Busby, Ltd., chemist, Duncairn Gardens, Belfast, for malicious damage to he roof and some of the contents of a store on October 21 last. The respondents were Belfast Corporation. It was stated that the roof of the store at the rear of the chemist's shop was damaged by a fire started by boys throwing fireworks.

Chemists' and Students' Dance.—The twenty-fourth annual dance of the Pharmaceutical Chemists' and Students' Club was held in Dublin recently. A large attendance included the president of the Pharmaceutical Society of Ireland (Mr. J. P. Kissane), Mrs. Kissane, Mr. M. Costello (vice-president), Mrs. Costello, Mr. H. P. Corrigan (treasurer), Mrs. Corrigan, Mr. J. G. Coleman (registrar), Mrs. Coleman, Messrs. J. Holland, M. Power, Dr. and Mrs. J. C. Dowling, Mr. J. Draffin (captain of the golfing society), Mr. Conifrey (captain of the Gaelic Athletic Association) ciation Club), Miss J. McNulty (captain of the Camogie club), and Mr. J. Gaffney (captain of the rugby club). A raffled hamper was won by Mrs. S. McCauley. The committee that organised the dance included Messrs. T. Cosgrove (chairman), W. Gill (vice-chairman), W. Gardner and G. O'Connor (joint treasurers), M. Walshe (secretary) and Miss N. McEnroe (assistant secretary).

A FAMOUS PHARMACY PASSES

WITH the disposal to a non-pharmaceutical ouver recently of the old-established pharmacy of Duncan, Flockhart & Co., Ltd., 139 Princes Street,

Edinburgh, there passes a direct link with the family of Sir James Young Simpson (first user of chloroform as anæsthetic) and a pharmacy of many other notable associations. The pharmacy was opened in 1846 by John Duncan and William Flockhart (the original partners of Duncan & Flockhart) following the success of their pharmacy in North Bridge, Edinburgh (see illustrated article C. & D. 1950.II.52) which was started in 1820. Amongst those associated with the Princes Street pharmacy were John Simpson, a nephew of Sir James, who in 1863 joined the partners. The late Dr. James Laidlaw Ewing,



139 Princes Street, Edinburgh

M.P.S. (master of the Edinburgh Merchant Company 1907-10) served his apprentice-

ship at the branch, and later became senior partner in the firm. Prescriptions were dispensed there for the late Queen Victoria and the late King George V. The pharmacy was granted the Royal Warrant in 1884. Especially before the National Service, many Health young doctors took a course in dispensing at the pharmacy, especially those going to England. During the 1939-45 war preparations dispensed at the pharmacy were taken by parachutists for the use of their countrymen in occupied territories. Though modern lighting and other amenities were introduced to the shop as they became available, the shop is one of the few left in the Street with its original frontage.

BRANCH AND ASSOCIATION MEETINGS

Digestion in Man and Animals.—Dr. F. J. Elliott, M.Sc., addressed members of the Edinburgh and South-east Scottish Branch of the Pharmaceutical Society in Edinburgh recently on "Digestion, Some Comparative Aspects." He compared digestive processes in man with those of some domestic animals.

Chemical Pathology.—At a meeting of the Watford and St. Albans Branch of the Pharmaceutical Society held in St. Albans on February 12, a lecture on "The Work of a Chemical Pathologist" was given by Mr. H. E. Archer, M.R.P.S., L.R.C.P., Ph.C., F.R.I.C. He outlined his work which was concerned with chemical changes in diseased tissue, as opposed to those in normal healthy tissue.

Duties of an M.O.H.—At a meeting of the Harrogate Branch of the Pharmaceutical Society held on February 7 the local Medical Officer of Health (Dr. D. D. Payne) gave an address on "The Duties of a Medical Officer of Health," dealing with the subject under the headings "general public health and environment," "maternity and child welfare" and "school medical services." He said that about fifty per cent. of the local children had been vaccinated against smallpox. Whooping cough vaccination had not yet been officially encouraged owing to poor results. An improved vaccine was sought.

Atomic Explosion Hazards.—At a meeting of the Eastbourne Branch of the Pharmaceutical Society held in Eastbourne recently an address on "Health Hazards of an Atomic Explosion" was given by Dr. B. T. J. Glover (an Eastbourne Civil Defence Instructor). Dr. Glover enumerated the lethal features of an atomic explosion, and showed how exposure to radiation affected the bodily functions. He said that pharmacists were particularly suitable for training as special staff in certain aspects of atomic, biological and chemical warfare, and expressed the hope that many of them would come forward for that training. He added that a preliminary general training in civil defence would be of great value.

Pharmacy in America.—The average pattern of a pharmacist's career in America is not unlike that in Britain, said Mr. A. G. Fishburn (Imperial Chemicals (Pharmaceuticals), Ltd.) at a meeting of the Glasgow and South-western Scottish

Branch of the Pharmaceutical Society Glasgow on January 16. Traditions many countries had been introduced in America by generations of immigran There was a separate qualifying examin tion for each State Board of Pharmac The complete pharmacy course occupie four years, each of two semesters. Ur versities were very large (up to 14,000 st dents). Fees were similar to our ow Provision was made for part-time earning by students (college refectory, local pha macies, etc.). Courses were practical an realistic (probably more factual with le mind-training than those in Britain). The was good liaison with industry. Examin tion for a degree was followed by extern examination by a State Board for a licent There were about 55,000 pharmacies the United States of which the drug-sto or soda-fountain type were common, b there were a few ethical pharmacies,

Mr. Meldrum at Birkenhead.—At meeting of the Birkenhead and Wirr Pharmacists' Association in Birkenhea recently, Mr. A. A. Meldrum (a memb of the Council of the Pharmaceutic Society) gave an address on "My Experences and Pharmacy in Australia." Austr lians rigidly adhered to a four years' a prenticeship, he said. Under their schem all medicines for children under fourtee years of age and for old age pensione were free, but only what are termed "li saving drugs," such as those used for pnet monia, meningitis, etc., were free to other Mr. Meldrum said his ideal was comple reciprocity of qualification among En lish speaking pharmacists, and an intern tional conference for pharmacy. H appealed to all to welcome any Australia pharmacists who came to Britain. Mr. I Pilkington asked if there was any pric cutting in Australia and if there was body like the Proprietary Articles Trac Association. Mr. Meldrum replied that there was a guild similar to the Nation Pharmaceutical Union in constitution an that it had almost 100 per cent. member ship. Its national subscription was abou fifteen guineas per annum, and its men bers considered that it was well worth i Mr. Meldrum told Mrs. M. R. Townle that the number of qualified staff per sho was three to five in the cities but onl the "bare necessities" in outlying area A collection for the Society's benevolen fund realised £3 17s.

TOPICAL REFLECTIONS

alified Acceptance

Your report of and comment on the nference of Pharmaceutical Committee presentatives held to decide on a policy arding the proposed levy on National alth Service prescriptions (pp. 243-45, 3) gives a revealing description of this portant meeting. As is usual on such casions, there were divergencies of opinon the course to be adopted. ntractors present must have realised that any event they would be ordered to ry the baby, a depressing specimen administrative ideas. The secretary of National Pharmaceutical Union reirked, in fact, that the scheme had got far as details of operation. In those cumstances the next best thing to refusal s to see what could be done to make the ant more presentable. Mr. H. Noble's imate that the Ministry of Health hopes a reduction of 20 per cent, in the mber of prescriptions dispensed may n out to be near the figure reached. t estimates of this kind, however wellormed, will not meet the objection of armacists who find themselves saddled th more routine work. It will be long fore the sting of the imposition dies wn. There is certain to be friction th perhaps a dash of fiction—at chems' counters. Your suggestion of a higher de of allowance for containers is timely.

e Privy Council

In inviting, for a London evening meets, a lecturer on the work of the Privy uncil (p. 258), the Pharmaceutical Socy's Council chose a cultural subject orth exploring. There was a time when ations between Council and Society were t of the most friendly character: happily better understanding has been reached. I have not forgotten, the constitutional tory of Professor A. F. Pollard (son of pharmacist, by the way) explains that back in our national annals the Privy buncil was the little council of the vereign, and Parliament was the great uncil. In our illogical British system it s come to pass that some of the activities the Council would not prima facie be ociated with so exalted a body; but it ly fairly be claimed that in practice the itish system is as good as any. So far as am aware, the Board of Trade has not thin living memory attempted to become the fullest sense of the phrase the Committee of the Privy Council for Trade and Plantations: if it did, there would no doubt be a flare-up. The Department of Scientific and Industrial Research and the Medical Research Council appear to have settled comfortably under its supervision, and I know of no reason for disturbing the arrangement. Let us hope that the distinguished visitor, Mr. F. J. Fernau, was satisfied with his reception, and that it will not be long before the Pharmaceutical Society receives its Supplementary Charter.

Pharmacy in Puerto Rico

"A Concise History of Pharmacy in Puerto Rico," just received, has a twofold interest. As well as forming an addition to the local histories sponsored by the American Institute of the History of Pharmacy, it is the first of the series devoted to Latin-American pharmacy. The author, Luis Torres-Diaz, dean of the College of Pharmacy in the University of Puerto Rico, has been admirably supported by the University, and a well-produced booklet has resulted. The first mention of an apothecary in the island dates from 1512. In 1535, physicians, surgeons and apothecaries in that region were subjected to the same regulations as those in Spain. Records earlier than 1820 are scanty. In that year a chair of pharmacy was established. Twenty-one years later new rules were officially approved, and the Royal Subdelegation of Pharmacy was established. That body had power to fix fees and prices; though the prices were expected to conform to those charged in Spain, they could be adjusted to local conditions, From about 1840, poor persons were supplied with medicines free of charge; but they had to pay for their leeches. Eventually the cost of this service was met by the municipalities. In 1846 physicians and surgeons were forbidden to "administer" medicines, and were instructed to inform pharmacists when prescribing anything not in the Spanish Pharmacopæia. Dispensing of any medicine the abuse of which might be harmful was forbidden, unless it was prescribed by a known medical man with due formalities. After the United States acquired the island in 1898 the practice of pharmacy was gradually assimilated to American conditions. A Board of Pharmacy was set up in 1906. The Board has reciprocity with forty-six similar bodies in Xrayser other countries.

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DIANA MARSH, LTD. (P.C.). — Capital £100. To carry on the business of manufacturers of and dealers in perfumes and essences, cosmetics, etc. A. J. Siris Products, Ltd., Durham Road, Lanchester, co. Durham, and S. Cotton, subscribers.

ALBA CHEMICALS Co., LTD. (P.C.).—Capital £100. To carry on the business of manufacturing, research, dispensing chemists and druggists, etc. C. Tutt and O. E. Upton, 79 Belgrave Road, London, S.W.1, subscribers.

EILEEN DAY & Co., LTD. (P.C.).—Capital £1,000. To carry on the business of agents for manufacturers and importers of essential oils, and all allied commodities, etc. The subscribers (each with one share) are:—R. B. Sterry and A. Sterry, 24 Martin Lane, Cannon Street, London, E.C.4. First directors are not named.

Ventin & Odone Medicinal Products, Ltd. (P.C.).—Capital £500. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Harry Odone, and Arthur D. B. Ventin, M.P.S., directors. R.O.: Verodo Building, Hampden Road, Muswell Hill, London, N.10.

Albion Laboratories, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Edna Rampard and Ursula Nash, subscribers. The first directors are not named. Solicitors: Frere, Cholmeley & Nicholsons, 28 Lincolns Inn Fields, London, W.C.2.

Company News

PEST CONTROL, LTD.—Lord Boyd-Orr, D.S.O., F.R.S., has accepted the chairmanship of the company in succession to Sir Guy Marshall, F.R.S., who has resigned for health reasons,

MILTON ANTISEPTIC LTD.—Net profit for year ended September 30, 1951, was £23,383 (against £18,036 in 1950), less

loss retained by subsidiaries, £2, (£3,731); carried forward, £79, (£93,929). An ordinary dividend of per cent, (10 per cent,) is recommende

Voluntary Liquidations

Wesco House, Ltd., manufactur chemists, 19 Whiteladies' Road, Bristol Liquidator: Mr. A. F. Ward, A.C.A. the same address).

DDT (INSECT) PRODUCTS, LTD., che cal dealers, 41 North John Street, Li pool. Liquidator: Mr. C. W. Hesketh the same address).

BUSINESS CHANGES

Mr. C. W. Tipping, M.P.S.I., opened the Coolock Pharmacy, Malal Road, Coolock, co. Dublin.

MR. BARRY KENNELLEY has tappointed advertising manager of Roberts Anglo-American Sales Co., Lt

Miss I. Hogan, L.P.S.I., has ope a pharmacy at the Diamond, Malah and co. Dublin,

MR. R. G. DAVIES-JOHNS, B.Sc., M.I. is relinquishing his post as superintent of Hulme's Pharmacy (Nottingham), I. Nottingham [Corrected note].

MR. J. CALDWELL, M.P.S.N.I., transferred his business from 73 to Chichester Street, Belfast, where his p macy which was destroyed by en action in 1941 has been rebuilt.

MR. JAMES B. RITCHIE, M.P.S., Constitution Road, Dundee, has taken of the business of the late Mr. David Rotoson, M.P.S., 103 High Street, Loc Dundee.

The distributing depôt of The Br Drug Houses, Ltd., in Nottingham, been moved to Triumph Road, Len



Nottingham. The new premises have advantage of a single-floor layout will clear flow of work from one end of main building to the other.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

s ELAINE BURTON asked leave on uary 20 to bring in a Bill to authorise disposal of goods left with shopkeepers to repair or other treatment but not cted. The Bill was an effort to redy a position that was unfair to the er. It covered all repairers, was supposed by many trade associations and was sored by both sides of the House. The (Disposal of Uncollected Goods Bill) we read a first time.

S ling Prescription Charge

(R. ARTHUR BLENKINSOP asked the ister of Health on February 21 if he d give an estimate of the proportion prescriptions, under one shilling in e, supplied under the Health Service ng 1951, or the latest period for which stimate could be made.

R. H. CROOKSHANK: It is estimated the proportion costing less than one ing is insignificant. Mr. Blenkinsop: s the Minister propose in these s—even if they are insignificant there a certain number of them—to charge a more than the actual value of the cription? Mr. Crookshank: The ing charge proposed is per form, and per prescription.

RIGADIER TERENCE CLARKE asked the ister of Health on February 21 what ld be the estimated cost of exempting age pensioners from paying for pretions under the National Health Act. CROOKSHANK: In England and Wales, It £1½ million annually.

ring Aids to Children

sked by Mr. Fenner Brockway on cuary 21 if he would continue the pron of hearing aids for children withpayment, Mr. Harry Crookshank nister of Health) replied, "Yes."

ments to Chemists

IR. A. R. Hurd asked the Minister of lth on February 21 if, in view of the that some chemists had to wait until ember for the settlement of their Febry National Health Service accounts, ing it necessary for them to run bank drafts, he would take further measures speed the process of payment. Mr. OKSHANK: I cannot accept the inferint equation. Substantial payts on account are made each month

and are supplemented when necessary. These payments are designed to put chemists broadly in the same financial position as they would be if final settlement of accounts were up to date.

N.H.S. Numbering

MR. H. CROOKSHANK told MR. ANTHONY BARBER on February 21 that following a Government decision to abolish the use of identity cards the series of numbers hitherto used for both National Registration and the National Health Service would be used for N.H.S. purposes.

LEGAL REPORTS

Damages for Leakage of Bleach.—In the Liverpool Court of Passage recently a woman claimed compensation against the Garston and District Co-operative Society, Ltd., for damage done to her coat while carrying home in her shopping bag a bottle of bleach purchased at the Society's shop. The presiding judge gave a written judgment in which he said he did not read the words "Keep upright in a cool place" on the label as a rigid warning that in no circumstances should the bottle be allowed to rest on its side. The bleach was sold in a bottle with a special plastic cap. He accepted that a normal bottle would not allow the fluid to escape in any harmful quantity, but found the cap defective. Because of the importance of the points of law involved he awarded the claimant £19 19s. damages.

Resentment Against Vivisection.—At Doncaster borough magistrates' court, on February 19, Herbert Crawford, a baker's labourer, Doncaster, was charged with stealing two dogs and two dog collars, the property of Burroughs Wellcome & Co. was suggested by a probation officer that the man was "a dog lover who was trying to fan a spark of idealism into a blaze of resentment against vivisection." A representative of the company told the court that the dogs were not subject to vivisection, but were injected to produce vaccines to protect other dogs. It was stated that there were eight dogs in the kennels, of which two were taken away by Craw-ford. The other six ran away and two were still missing. Crawford was found guilty and conditionally discharged on payment of 8s. costs. He was put on probation for two years.

BIRTH

Berens. — On February 19, to Elizabeth, wife of Denis Berens (a member of the staff of Biddle, Sawyer & Co., Ltd., and son of Mr. H. A. Berens, a director of the company), 21 Kynance Mews, London, S.W.7, a daughter, Jennifer Catherine.

DEATHS

Angus.—Recently, Mr. Harry Angus, M.P.S., 386 Lordship Lane, London, N.17. aged fifty. Mr. Angus was found dead in his bed, which was alight, and had beneath it an electric fire. The bedroom was filled with dense smoke.

Barker.—On January 30, Mr. Robert Barker, M.P.S., 104 Holmhirst Road, Woodseats, Sheffield, 8, aged seventy-nine. Mr. Barker qualified as a chemist and druggist in 1894 and for many years was in business at The Cross Pharmacy, Buckley, Chester.

Dawson.—On February I, Mr. Lionel Samuel Marshall Dawson, M.P.S., 6 Albany Beach Mansions, St. Helen's Parade, Southsea, Hants, aged fifty-nine.

FINLAYSON.—At his home, 63 Lochleven Road, Glasgow, S.2, on February 16, Mr. Christopher Finlayson, M.P.S. Mr. Finlayson qualified in 1910.

FLEJSZER.—Recently, Mr. Aleksander Flejszer, M.P.S., 56 St. George's Drive, Moston, Manchester, 10. Mr. Flejszer qualified in 1947.

Garner, —Recently, Mr. James Norman Garner, Ph.C., 244 Haverstock Hill, Hampstead, London, N.W.3. Mr. Garner qualified as a chemist and druggist in 1892 and passed the Pharmaceutical Chemist examination the following year. He was a director of Garner & Pope, Ltd., a company with two branches in Haverstock Hill.

Hamnett.—On January 23, Mr. Albert Edwin Hamnett, M.P.S., 21 Shrewsbury Road, Redhill, Surrey, aged seventy.

Hancock.—On January 29, Mr. Frank Hancock, M.P.S., 102 Abbotsbury Road, Westham, Weymouth, Dorset, aged seventy-two.

HARPER.—On February 13, Mr. John Harper, M.P.S., 3 Bloomsbury Place, Brighton, Sussex, aged seventy-five.

HAWTHORNE. — On January 19, Mr. Archibald Hawthorne, M.P.S., 64 West-

field Road, Barton-on-Humber, Linaged eighty-one.

HAYMAN.—On February 16, Mr. Ed Albert Hayman, M.P.S., Newnham, No Hill, Pinner, Middlesex. Mr. Hayr qualified in 1909.

HEATON.—Suddenly, at his home, Scholes, Wigan, Lancs, on February Mr. Horace Heaton, M.P.S., aged sit two. Mr. Heaton had been in busines Scholes for many years. He is surviby his widow.

McBride.—On February 13, Mr. A ander McBride, M.P.S., Tarnwood, Du Hill Road, Northwood, Middlesex, a seventy-seven.

SAWYER.—On December 19, 1951, Joseph Bernard Sawyer, M.P.S., 2 Gars Lane, Garston, Watford, Herts. Mr. S yer qualified in 1920.

SEARLE.—On February 15, Mr. Frerick William Searle, M.P.S., 83 Bil Grove Avenue, Harrogate, Yorks. Searle qualified in 1904.

SHELDON.—On February 15, Mr. D-ald Gaddes Sheldon, M.P.S., 526 In-mire Lane, Hull. Mr. Sheldon qualidin 1914.

STERN. — On January 31, Mr. Is Stern, M.P.S., 25 Castlewood Road, Strond Hill, London, N.16. Mr. Stern quefied in 1925.

TAYLOR.—Suddenly, on February Mr. Adam Taylor, M.P.S. (formerly planacist to the Western Infirmary, Glasgo 15 Munro Road, Glasgow, W.3. Mr. Tayloualified in 1916.

Templar Barritt.—On January 11, Alfred Templar Barritt, M.P.S., 3 Wil Way, Aldwick Bay, Bognor Regis. Sus aged seventy-seven.

Todd.—Suddenly, at his home, on I ruary 20, Mr. N. C. Todd (hospital rej sentative of Henleys Medical Supp Ltd., Alexandra Works, Clarendon Ro Hornsey, London, N.8), aged fifty-sey Mr. Todd called on hospitals in the N lands, Lancs and Yorks and London. qualified as a surgeon and obstetrician the University of Madras in 1915, and several years served with the Indian M cal Service.

WATKINS. — On February 14, Charles William James Watkins, M.F. 3 Stile Hall Parade, Chiswick, Lond W.4, aged seventy-two.

PERSONALITIES

IR ALEXANDER FLEMING was installed Rector of Edinburgh University on Feb-

MISS D. I. MORGAN, M.P.S., who proed the toast of the guests at the annual



dinner and dance of the National Association of Women Pharmacists (see p. 283) has been treasurer of the Association since 1947. Miss Morgan has been chief pharmacist the Princess Kensing-Louise, ton, Hospital for Children, London, W.10, since 1948. She received her general and phar-

ceutical education at Leeds, and served apprenticeship with Mr. F. C. Long, C., Leeds. After qualifying, she was il assistant pharmacist for three years Sheffield, and gained further experie as a retail manager in Surrey, Hampe and Middlesex, with two post-war rs as locum in retail and hospital phary. Miss Morgan has been since 1945 a nber of the committees of the .W.P. and Harrow Branch of the amaceutical Society and, since 1949, nch secretary. She is editor of its pubtion "Harrow Pharmaceutical News."

ROFESSOR A. R. TODD (professor of nic chemistry, University of Camlge) has been appointed chairman of Government's advisory council on ntific policy. He succeeds Sir Henry ard who is retiring at the end of rch.

ORD BOYD-ORR, D.S.O., F.R.S., who is new chairman of Pest Control, Ltd. p. 274), is director-general of the ted Nations Food and Agricultural Orisation. He has been interested for e time in the application of science the control of plant pests and diseases a valuable means of alleviating the ld food shortage. He was awarded Nobel peace prize in 1949.

MISS JOAN T. BRADSHAW, M.P.S., Cheswho was recently elected president of Chester Branch of the National Assoion of Women Pharmacists & D., February 23, p. 239), served her apprenticeship with Boots, Ltd. (in Carnarvon, her native town), and is still employed by the company, working at pre-sent in a Chester branch. She qualified in 1948 after studying at the Liverpool School of Pharmacy.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 3

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. Brian Stan-ford (Scientific Film Association) on "The Use of Films in Science Teaching." Demonstration.

Tuesday, March 4

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Grand Hotel, Birmingham, at 8 p.m. Professor H. Berry (Dean of the School of Pharmacy, University of London) on "Disinfectants"

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SO-CIETY, Lecture theatre, Manor Park Library, Romford Road, London, E.12, at 8 p.m. Mr. R. W. Richards (Ciba Laboratories, Ltd.) on "ACTH-Cortisone Story." Also film: "Modern Druge in the Making." Drugs in the Making.

"Daily Mail" IDEAL HOME EXHIBITION, Olympia, London. (Open until March 29).

Wednesday, March 5

JUNIOR BRANCH, MANCHESTER PHARMACEUTICAL ASSOCIATION, Visit to Testing House, Details from Mr. G. F. Jones, 33 Briarlands Avenue, Sale, Manchester.

ORWICH BRANCH, PHARMACEUTICAL SOCIETY, Y.M.C.A., St. Giles' Street, Norwich, at 7.15 for 7.45 p.m. Films by Plant Protection, Ltd.

SWANSEA AND WEST GLAMORGAN BRANCH, PHARMA-CEUTICAL SOCIETY, Mackworth Hotel, Swansea, at 7.45 p.m. Dr. H. A. B. Simons (St. Bar-tholomew's Hospital) on "Medical Applications of Radinactive Isotopes" of Radioactive Isotopes.'

THAMES VALLEY DISTRICT PHARMACISTS' ASSOCIA-TION, Berkeiey Rooms, Zeeta House, High Street, Putney, at 6.30 for 7 p.m. Annual dinner and dance.

Thursday, March 6

London Branch, Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Members' night and annual general meeting.

Friday, March 7

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and Branch. A. I. Carpenter's restaurant, 3 The BRANCH, A. J. Carpenter's restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Mr. C. L. Clarke (Kodak, Ltd.) on "It's My Hobby Too."

EXETER BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Providence Methodist Church Hall, Exeter, at 7.30 p.m. Mr. D. M. Jennings (superintendent, Bristol Pricing Bureau) on "The Work of the Pricing Bureau"

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Botanical Gardens, Edgbaston, Birmingham, at 6,30 for 7 p.m., on March 12. Annual dinner and dance. Ticket 22s. 6d. Apply by March 5 to Mr. W. F. Norris, 270 Warwick Road, Olton, Birmingham, 27.

NOTES TRADE

Spring Bonus Offer .- Marshall's Proprietaries, Ltd., 127 High Street, Croydon, Surrey, give details on another page of a bonus offer of Petal Dust moth powder.

Weaning Food.—Bovril, Ltd., 152 Old Street, E.C.1, after consultation with specialists in the field of nutrition for babies, have formulated a new type of weaning food: Bovril brand triturated beef and vegetable weaning food. The food



is composed of powdered lean beef, beef extract, mashed potato powder, vegetables, dried high vitamin B₁, yeast, bone calcium phosphate and iron ammonium citrate. It is in four varieties in cartons of four foilwrapped cubes. In use, a cube is crumbled into a powder and reconstituted into a purée with boiling water.

Range Increased .- A. Wander, Ltd., 42 Upper Grosvenor Street, London, W.I, have augmented their Aminacyl PAS range to include 1.5-gm. calcium PAS cachets and sodium PAS cachets.

Diary Correction.—Users of the C. & D. Diary and Year book, 1952, are asked to alter the telephone number of Armstrong Cork Co., Ltd., Kingsbury, London, N.W.9, to read Colindale 7282.

Size Withdrawn.-To avoid increasing the pro rata price of Glyco-Thymoline to the public, the makers, Thos. Christy & Co., Ltd., North Lane, Aldershot, Hants, have withdrawn the 3-oz, size and have substituted a 6-oz. size.

Sole Distributors of a Dry Shaver.—G. Ettinger, Ltd., 8 Vigo Street, London, W.1, are the sole distributors in this country of Kobler shavers. The instrument is available in models having one, two or three curved shearing heads, and in a V-matic model (two shearing heads out of parallel).

Soil-testing Outfits.—On another I The British Drug Houses, Ltd., Lone N.1, draw attention to their No. 1 barium sulphate soil-testing outfits, wl are likely to be in increasing demand ing the coming months.

"Economy" Size.—Allcock Produ Ltd., 225 Knowlesley Road, Bootle, Li pool, 20, state that a new large "econo size of Nailoid manicure cream is available for general distribution, pack retains the blue and white pla design of the smaller size. It is issue quarter-doz. cartons, with a display

Hollow-ground "Thin" Blade. -"thin" razor blade-the "Pal gold th —has been added to the series of hol ground safety-razor blades issued by Personna Blades, Ltd., 103 Mount St London, W.1. Show material is being patched to retailers, and national adve ing is commencing shortly. Sales of "th blades in Britain are understood to b present well below those on the Conti and in America.

NEW POPULAR PERFUM

A NEW perfume, Endearing, is blaunched by Bourjois, Ltd., 2 Old J Street, London, W.I. Described as and lovable, with subtle undertones,"



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product carries a design of lovebird of its carton and label. Created in Fr. where it has the name Ramage, Ende: I is being issued in three sizes at 3s. 8s. 6d., and 21s. each respectively, Cologne, talcum powder and face poin seven shades to correspond.

ARMACEUTICAL SOCIETY OF NORTHERN IRELAND

rEETING of the Council of the Phareutical Society of Northern Ireland held in Belfast on February 14, the president (Mr. W. H. Boyd) in the r. Also present were Messrs, C. Aberly, S. E. Campbell, H. H. Cowzer, W. P. Ewart, H. F. Moore, J. Gregor, Walter C. Tate and Professor J. C. Mayrs, M.D. The secretary (Mr. Gorman) was in attendance. Apologies preceived from Messrs. H. W. Gamble sident), H. P. Crossin (treasurer), J. In, P. R. W. Shinner and F. R. Moore.

d Wishes to President

eferring to the absence of the presi-(Mr. Gamble), Mr. Boyd said he Id be confined to bed for some time. vas decided to send him good wishes a speedy and complete recovery. Ir. Boyd expressed sympathy with Mr. on the death of his mother. Mr. E suitably replied.

HE SECRETARY reported that a leaflet ch had been considered at the previous ting of the Council had been forwarto the chairman of the Statutory Comtee who had cautioned the chemist cerned about any future advertisements night contemplate issuing (see C. & D., uary 26, p. 107).

Ifter the secretary had reported the ons for continuing the pharmaceutical rses in Belfast until a few days before istmas it was agreed that this matter ald be left in abeyance.

t was decided to pay the increased ual subscription to the International rmaceutical Federation.

evolent Fund Committee

fter discussing a letter from the Norn Ireland Chemists' Benevolent Fund vas agreed to record the composition he Committee of the Fund as follows: president, treasurer and secretary of Society to be chairman, treasurer and etary, respectively, of the Committee; members to be nominated by the ter Chemists' Association; one member be nominated by the Associates' Sec-, U.C.A.; and Messrs. T. F. Storey, E., J. McGregor and H. F. Moore. It also agreed that it would not be essary to appoint trustees of the Fund. he Certificate of Apprentice was granto Miss Anne Hanson Gault, and the orts of the examiners on the Decem-1951 examinations were considered.

In his report on theoretical pharmaceutics in the Part II examination, Mr. H. Stout said the general standard was quite good but the answers to posological questions indicated that insufficient attention was being paid to that part of the sub-The practical pharmaceutics and theoretical and practical pharmacognosy were reasonably well done. Mr. Stout also observed that it was evident that some candidates did not regard forensic pharmacy as worthy of the study given to other subjects. Dr. J. Bullock, on Part II chemistry, said one wondered why so many students appeared to be taught to calculate the normality of every solution even when it was the percentage purity of the original solid that was required. The standard in physiology Part II was described by Dr. J. T. Shepherd as "satisfactory."

Repeated Failures

On physics, Part II, Dr. R. H. Sloane said he was pained to see so many candidates failing repeatedly. Any satisfactory and reasonably effective rearrangement aimed at eliminating continued failure would be welcome. Mr. G. Williams reported that the standard attained by the majority of candidates in zoology was reasonably good. In a discussion which followed, Mr. H. F. Moore said that the standard of answering in physics left much to be desired. Mr. TATE drew attention to the report in pharmaceutics in which it was mentioned that the standard of candidates' handwriting was bad. In the practical examination the labelling and finishing of the preparations required more care. The secretary was instructed to invite the lecturers concerned to bring those matters to the notice of students. Subject to the approval of the Ministry of Home Affairs, the following examiners were appointed for the year ending December 1952:— Botany, Mr. A. F. Fenton, M.Sc. (Queen's University, Belfast); Zoology, Mrs. University, Belfast); Zoology, Wirs. G. M. D. Gotto, B.Sc. (1st class honours) (Queen's University); Chemistry, Dr. K. Bullock and Professor H. Brindle; Physics, Dr. C. S. Watt, M.Sc., Ph.D. (Queen's University); Pharmacognosy, pharmaceutics and forensic pharmacy, Mr. H. Stout, Ph.C., F.C.S.; Physiology, Dr. J. T. Shepherd, M.D.

It was agreed to send a message of congratulation to Miss C. E. Culbert, Belfast, on her appointment as a justice of the peace.

MOTIONS FOR BRANCH REPRESENTATIVES

The following resolutions are to be included on the agenda for the Pharmaceutical Society's Branch Representatives' meeting in London on May 22:—

ABERDEEN: (1) That the Society should take steps to compile a list of dispensing assistants who have served in that capacity for a period of years with a view to assessing their suitability for inclusion in a register, if that were deemed advisable. (2) That the Council should consider the financial position of the Branches with a view to the allocation of an adequate increased grant to enable them to function more actively. (3) That the Council should take an early opportunity to institute a graduation ceremony for Pharmaceutical Chemists.

BIRKENHEAD: That in the publication of the Society's examination results, the successful candidate's home town should be stated, along with

the name of the person.

BIRMINGHAM: That the annual subscription of £2 2s, for the index of new products is excessive. Although it may be unavoidable for the first subscription (when the filing cabinet is issued), subsequent subscriptions should be substantially reduced,

BLACKPOOL: That the Branch Representatives' meeting held in conjunction with the British Pharmaceutical Conference should be devoted to

motions from Branches.

BOURNEMOUTH, PORTSMOUTH and SOUTHAMPTON: That the Council should be asked to consider means whereby machinery could be set up to bring about control over the registration of new pharmacies.

EASTROURNE: That the indiscriminate opening of new pharmacies is undesirable in the interests of all concerned and that legislation should be promoted to control the opening of such pharmacies. Such control should provide for the opening of new pharmacies only in circumstances where the needs of the district require it and for a minimum standard of accommodation, service and equipment.

EAST METROPOLITAN: That in view of recurring complaints, the Society should investigate and report on practical methods of groups of pharmacists providing a twenty-four hour dispensing

service.

Hounslow: That it is to be deprecated that the Council has not implemented the resolution passed at the last annual meeting of the Society which stated that "this Annual General Meeting of the Pharmaceutical Society of Great Britain, bearing in mind the unanimous resolution passed at the Branch Representatives' Meeting in May 1950 calling for a closer relationship between the remuneration of pharmacists and that of allied professions, considers that the 'Pharmaceutical Journal' should, in future, refuse to accept for inclusion in its columns, advertisements for pharmacists offering salaries of less than £700 a year unless it is made clear that a young and/or recently qualified pharmacist is required."

MANSFIELD: That the time is long overdue when the Council should issue a statement of policy regarding the diploma in biochemical analysis. North Staffordshire: That no pharma should have a financial interest in a drug st except in an emergency and with the permiss of the Council.

READING: (1) That the status of the pharma in H.M. Forces being so unsatisfactory, the Co cil should consider and take immediate steps bring about the necessary improvement. (2) T all Branches of the Society should hold the annual meeting in April of each year.

RHYL: That immediate steps be taken to privide a superannuation scheme for pharmacists praking in the National Health Scheme, and privision be made also for all other pharmac

employed in pharmacy.

SCUNTHORDE, WATFORD and ST. ALBANS: T the institution by the Society of a register unqualified assistants, dispensers or technici whether on the basis of an examination or oth wise would be a wholly retrograde step and she be strongly resisted.

SHEFFIELD: That the Society should arrange holding of an annual religious service for pl macists and suggests the week of the British Pl maceutical Conference as a suitable occasion.

maceutical Conference as a suitable occasion. WOKING: That the "Pharmaceutical Journ as the official organ of the Society, should modernised, and that the Society should spon for the benefit of the pharmacist in retail pl macy, a weekly post-graduate series of illustra articles embracing modern therapeutic substan and the most up-to-date methods of their prestation.

MR. LINSTEAD ON TRENDS IN N.H.S.

AT a meeting of the South-west Lond Chemists' Association held in Clapham February I, MR. H. N. LINSTEAD (a s retary of the Pharmaceutical Society) gra lecture on "The Relationship of H pitals and Health Centres to Retail Ph macy." Miss D. Murgatroyd was in chair, and members of neighbouring br ches of the Society were present. effect of the Health Service upon re pharmacies was already becoming cle said Mr. Linstead. Pharmacy in rewas becoming simplified, and proprietal were in greater use, while in hospitals was tending towards more complicated a newer types of medicine. Hospital ph macy in the next twenty or thirty ye would find itself "running with stream." The real difficulty today was t hospital salaries bore no comparison w those in manufacturing pharmacy, and was difficult to get the type of man need If there were 10-20 per cent. of good pe at the top, there would always be a fl of good men who were at the mom being attracted to manufacturing co panies. The status of the technician in b

tal pharmacy was becoming clarified. It as proposed originally that in each ealth centre a pharmaceutical department ould be included, but in the two health entres already opened there were no harmaceutical departments and he condered they were not necessary. Health entres would not become a threat to re-

tail pharmacy, as at one time feared, provided that pharmacists collaborated with their local authorities and gave service of such a quality that there would be no need for public money to be spent on one. The levy on prescriptions had been proposed because it provided an easy method of collecting a charge.

PHARMACEUTICAL FACTORY AT SOUTHAMPTON



XCEPT that some of the equipment necessary for full development of the septic and analytical departments is still taking, the new pharmaceutical factory in Herbert Ferryman, Ltd., Cobden ridge, Southampton, which was officially pened in May 1951 (The Chemist and Ruggist, 1951.1.695), is now in full peration. The building was designed to xtend the manufacturing side of the busi-

ness. It is situated on the west side of the river Itchen, about 200 yards from the company's warehouse on Cobden Bridge where the proprietaries and sundries departments operate. Of the total staff of over 150, approximately one-third are employed at the new drug factory.

In area the building extends to some 15,000 square feet, and is erected in such a way that expansion can be under-

taken either at ground level or by the addition of a second story. Prompt exeof general drug orders, including Dangerous Drugs, for delivery by the firm's own vans over a large area of the central southern section of the country, including the Isle of Wight, is the policy of the company. Messrs. Ferryman also enjoy a rapidly expanding trade in packed goods bearing customers' own names and addresses. For the employees, working conditions are made con-genial by fluorescent lighting, central heating from an automatically controlled coke boiler, and steam from an automatic gas boiler.



A view of the galenical laboratory,



The organising committee of the recent whist drive, dinner and dance of the Dundee Branch of the Pharmaceutical Society (see p. 270).



Mrs. R. W. Peberdy (wife of the chairman of Leicester Branch) receives Mr. and Mrs. Colin Gu at a recent dinner and dance (see p. 270).

NEWS IN PICTURE

Left: Group at recent annual dinner and dance the Preston Pharmacists' Association and Branch of Pharmaceutical Society. In it are the mayor a mayoress of Preston, and the president of the Asciation (Mr. F. Smithson).

Photo, Lancashire Evening Pe

Below: Group at dinner following annual sales of the ference of T. J. Smith & Nephew, Ltd. (see p. 26





Guest at annual dinner and dance of the Cornish Branch of the Pharmaceutical Society at St. Austell recently was Mr. F. C. Wilson (president of the Society) who is seen being greeted by the Branch chairman (Mr. G. L. Hutt, Penryn).



An "outstanding sales achievement" was recognized a recent sales conference of Ortho Pharmaceucals, Ltd., High Wycombe, by the award of a trop to Mr. D. S. Blackbourn (northern representative Mr. R. George (managing director).

WOMEN PHARMACISTS' DIN

THE National Association of Women Pharmacists held its annual dinner-dance I London on February 20 under the chairnanship of Miss M. A. Burr (president of he Association and a member of the Pharmaceutical Society's Council).

MISS V. W. BURRELL (Association Viceresident) proposed "the Pharmaceutical ociety of Great Britain." Membership of he Society, she said, could be considered is a form of contract. From the one party vere required a certain standard of educaion, the passing of an examination, attainnent of years of discretion, a certain experince, an annual fee and conformity with tandards of ethical conduct. On the part of he Society there were forthcoming a staff, ervices such as those represented by Miss Lothian and Mr. Fitch, a headquarters, ind so on. There seemed a handsome balance in favour of the member. Miss M. C. Islip acknowledged the toast. As and been pointed out, she said, the Council and staff of the Society must have the active support of the members. branch system encouraged that, as did new proposals for grouping branches (see C. & D., January 23, p. 259).

"The Guests and Visitors" was proposed by Miss D. Morgan (Association treasurer), who said she welcomed many distinguished guests that evening. All harmacists were proud of their common bond of membership of the Society. In a reference to absent friends, Miss Morgan poke with warmth of Mrs. J. K. Irvine. Professor Berry acknowledged the toast. A terrific task was undertaken by the Society, he said, in catering for so wide a variety of interests, and there was a real danger of bifurcation without foresight and understanding. It might be that during the reign of Elizabeth II the N.A.W.P. would play a greater part in pharmaceutical affairs than it had done.

MR. H. TREVES-BROWN proposed the toast of the Association. He said that it had done more good, and over a much longer period than many realised. Its value had perhaps been greatest as a training ground for Council work.

In her response, MISS BURR said that members of the Association had, as women, been singularly fortunate in their profession. They had had "a very modest fight," with never the need to chain themselves to railings at Bloomsbury Square.









At top: Miss M. A. Burr (president) and Miss V. W. Burrell with Messrs. A. Duck-Gordon worth and Smith (assistant secretary and secretary, Association of British Pharmaceutical Industry) Second row: Mrs. H. Treves-Brown with Mrs. and Dr. G. R. Boyes. Third row: Mrs. Berry. Professor H. Berry and Miss Burrell.

At foot: Miss C. E. Mozley-Stark with Mr. Carl Norman,



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L. CLVII MARCH 1, 1952

No. 3758

Oxygen Equipment: A Confused State of Affairs

NSIDERABLE uncertainty exists in chem-'minds regarding the equipment they y, or should, supply when receiving preiptions for oxygen, and the payment y will get, and the Drug Tariff is not ormative on these points.

In N.H.I. days, chemists sending out ygen cylinders generally supplied with m only key, length of tubing, and nel or simple mask. If specially ordered, Wolff bottle to moisten the gas might be ded. Today, complete sets of equipment

available, including key, pressure uge, fine-adjusting valve, flow meter, midifier, and (as required) B.L.B.* mask o types) or nasal catheter (two types). receiving an EC10 for oxygen, some emists still send out the old funnel. hers pass the prescription to a manufacer or specialist firm, which sends the nplete set direct to the patient. The arge to the chemist is £6 when the set sent, an allowance of £4 being made its return. The B.L.B. mask is not taken ck. A few specialist chemists have their n sets of equipment and arrangements transport that they can put into operan at a moment's notice. The chemist mits the firm's invoice to the Pricing fice with his EC10, and is paid on the sis of that invoice.

While one could not describe the old anel or mask as useless, it is much less ective than a B.L.B. mask or nasal cathr, and is primitive apparatus that should longer be used. While, as stated, firms

that send out oxygen equipment refuse to take back the B.L.B. mask, they give instructions for its disinfection by soaking in 2 per cent, chlorocresol. Is that procedure safe and sufficient in all conditions for which the mask may have been used, or should it be disinfected and used again only in certain conditions such as asthma? Should it be destroyed after use by tuberculous patients? Clear guidance needs to be given on that point by the authorities. If the mask is disinfected after use, does it become the property of the chemist, or of the Executive Council who pay for it? What allowance is made if it is used again? Those again are the questions for which so far no guidance has been forthcoming.

Some three years ago the desirability was discussed of channelling oxygen supply through selected depôt hospitals, and/or specialist chemists, who would maintain supplies of oxygen and complete equipment, with the means of transport for immediate use. The matter seems to have been forgotten or side-tracked. There is much to be said for centralising the supply of oxygen equipment in a limited number

of fully equipped depôts; but if that is

done those chemists with the necessary experience should be given their part in the scheme. The question of transport of cylinders presents difficulties. Ordinarily the patient, or someone for him, collects from the chemist the medicine ordered on EC10. not practicable to carry cylinder away under the arm. the patient may have no car or other means of transport. In some circumstances the chemist sends it in his own car. May he charge the patient for something outside his terms of service, or will an allowance be made in pricing? On these points the Drug Tariff is obscure. The question is one that would disappear if supply were channelled to depôts, as they would have means of transport and would be paid for it as part of their service. The whole question of the supply of oxygen on EC10

* From Boothby, Lovelace & Bulbullion, who introduced its use in America.

needs to be systematised and made plain

and the Ministry of Health should make

the first move.

Unnecessary Risks with Ampoules

That a team investigating in 1951 the use of injectable fluids in operating theatres in hospitals (p. 291) should give as one of its recommendations that "manufacturers should, so soon as facilities permit, carry out the [1948] recommendations on the labelling of ampoules" betokens acceptance of a rate of action that must surely strike cold the hearts of productivity teams afire with a zeal to effect improvements. If no result is apparent after three years in a matter of life and death, what hopes for a change involving some point that demands persistent advocacy to secure concerted action?

" Almost all the hospital staffs criticised the labelling of ampoules." It is not to be wondered at. But the report shows that they themselves are given to practices that could be made safer. They could reserve the use of poisons cupboards to poisons. They could refuse to transfer potent liquids from original containers to lemonade or medicine bottles. They could all store ampoules of different drugs separately, and discard at once the contents of an unlabelled container. In these and the other practical ways recommended by a trio that included a pharmacist the various people who handle injection solutions in hospitals can take effective action eliminate risks (errors "more common than is generally supposed") that ought not to exist in the operating theatre.

Overseas Trade in January

During the month of January, United Kingdom exports reached the record figure of £250 millions. Imports, however, continued at a high level and amounted to £357.1 millions. Re-exports, at £14.2 millions, were well above 1951 average of £10.5 millions.

Exports of drugs, medicines and medicinal preparations for the month were valued at £3,210,695, thus narrowly beating the previous record set up in May 1951. Included in that total were proprietary medicines valued at £621,745, of which India took £90,571 and Pakistan £55,502. In preparing the January figures of the Trade and Navigation Accounts, a new "breakdown" has been adopted to meet the wishes of the pharma-

ceutical industry, and a number of parations are itemised for the first They include: Penicillin preparations up for injection (in January they valued at £123,481, plus penicillin £308,278); antibiotics other than pelin, £211,504; antipaludics, £168, and sulphonamides, £287,977 (of w just over one-half the value was for lets). Aspirin, at £48,134, and insuli £38,231, were well below the mos averages for 1951. Quinine, at £47 and ointments and liniments, at £107 were slightly up on the previous mofigures (£47,111 and £102,385).

The total value of perfumery and preparations (excluding perfumed s and soaps), was £601,283—the se highest figure recorded (August 19 £606,074). Within that total, cosm (£229,961), established a record. C export totals were: Tooth-pastes and tal preparations, £119,005; toilet se £227,588; perfumed spirits, £70,021; glycerin, £70,158. The total for group, which includes chemicals, d dyes and colours, was £13,967,461highest for five months. Imports of prietary medicines and manufacture prepared drugs totalled £394,161 (ag £461,718 in January 1951); re-ex were valued at £65,870. Menthol imp at £9,430, were insignificant against of the previous January (£171,341). ports of essential Oils, at £487 showed a decline from the monthly a ages.

Standards for Non-official Dr

THE decision of the Codex Revision () mittee to prepare a Supplement deve to proved but non-official drugs, has ca the recently published volume (p. 29. be something of a guide to theraper Emphasis has been placed on the accordance and uses of new drugs (official and cinal), and that in turn reinforces the phasis laid in the Codex on the provo The comp of standards for drugs. should beware of pushing that policy far, for confusion might be create the Codex standard anticipated by short a time a change in the pharm pœial standard.

CORRESPONDENCE

Operative Words

.-In a report (not in your paper) on conference of representatives of Pharutical Committees I was amazed to "The Charge for Prescriptions: Accept." nist Contractors Other ates who were present at the London ing must have shared my amazement. second resolution was strongly cond by the meeting. Among others, I essed the chairman and said, in effect, while we had every confidence in the y of the Central N.H.S. Committee esent our case, it was only reasonable emand that the body of contractors d learn what modification had been eved before the Central N.H.S. Come committed themselves on our behalf. te remarks provoked much audible it from the body of the hall. The rman (Mr. Steinman) then rewrote the part of the resolution and read it It then seemed to me, and I am to the majority, that our desire had safeguarded. It now turns out that resolution, as amended, means nothing than it did in its original form. The ative words in the original resolution : "... and to determine, in the light he results secured, whether or not the ation of the scheme shall be resisted efusal to operate it." The amendment . . . and to determine, in the light he results secured, whether or not nist contractors should be recomded to refuse to refuse to operate the me." I now realise that the amendt should have been worded: "...and letermine, in the light of the results red, whether or not chemist contractors ild be recommended to operate the me." I assert that a mandate has been ited to the N.H.S. Committee upon a plete misunderstanding, and further it grossly misrepresents the wishes of great majority of the meeting. It is ortant that contractors as a whole ald learn what modifications have been lined before they consent to work the me. There are several difficulties, but ering above all is the fact that the corative societies claim that they have I sanction through Act of Parliament llow dividend on the shilling levy! The is that once again we have been rushed. rmaceutical Committees or the National irmaceutical Union should have called tings of contractors throughout the country, and the matter adequately discussed before the Pharmaceutical Committee representatives' meeting took place. It is senseless to argue that there was not time. The Ministry should have been told plainly that we demanded time.

Stourbridge, ALFRED C. YEATES.

A Report Corrected

SIR,—I take the opportunity of drawing your attention to an error on p. 244 of The Chemist and Druggist, February 22 issue, where you ascribe to Mr. C. Jacobs an announcement about "co-op. dividend." It was I, a co-operative manager, and not my fellow representative from the Leicester Pharmaceutical Committee, Mr. Jacobs, who made that intervention. I mention this in fairness to Mr. Jacobs, who also spoke at the conference.

Leicester. G. C. Burnett.

SIR,—May I point out that I am not a co-operator and have nothing whatsoever to do with the co-operative movement, but am managing director of a private limited company and the proprietor of two private pharmacies in Leicester. In attributing to me a statement "As a co-operator . . ., etc.", you have evidently confused my name with that of another representative. The point of view that I expressed at a different stage of the Conference was as follows: "The imposition of a levy of one shilling per prescription form was no doubt being put forward by the Ministry as a measure of economy. As the chemist was working under complete instructions from the doctor, it could not be said that he, the chemist, was in the slightest way responsible for any extrava-gances which had taken place in the past. It was unfair to impose this extra work on the pharmacist, with a grave risk of impairing his relationship with the public. It was also wrong to penalise the sick in this way, whose health would then be measured by the 'power of the purse.' This was striking at the very roots and ideals on which the new Health Service was formed." I subsequently suggested-and you reported—that approach should be made to the Minister to shelve the idea of the levy for a period of twelve months, in order to explore different avenues of alternative economies.

Leicester. CECIL JACOBS.

ALLOWABLE EXPENSES FOR TAX PURPOSES

By a Chartered Accountant

SOME idea of the expenses that are allowable as deductions against income assessed may be gathered from a brief examination of the basic principles involved. In order to arrive at the assessment of net profit or loss under Schedule D (in which category a business is normally assessed) in accordance with the Income Tax Acts, it is laid down that, for the purposes of assessment, only expenses that are wholly and exclusively laid out for the purpose of earning the profits are to be allowed. The following points fall for consideration, therefore, in examining the admissibility or otherwise of an item:—

I. It must be an expense. Appropriation of profit (proprietors' salaries or interest on their capital, shares of profit and dividends declared, income tax, etc.), is not an expense and therefore not allowable. But shareholding directors in a limited company rank as employees, and their salaries, which are subject to P.A.Y.E., are chargeable expenses. (In law, a limited company is a distinct "person" and must be distinguished from shareholders and officers.)

2. It must be a business expense. Personal expenditure, if charged, therefore, must be added back to computed profit. Losses and expenses unconnected with the business are not chargeable; thus, bad debts incurred on advances that are not an essential part of the business (as, for example, a special loan to a customer apart from his ordinary account) are disallowed.

3. The expense must be exclusively laid out for the purpose of the earning of the profits. Compulsion is irrelevant to the provisions of Schedule D—this is to say, the claim turns on the purpose of the payment (the earning of the profits) and may cover both necessary and unnecessary items in the strictest sense. But it does not follow that all expenditure that was necessary or desirable will be allowed—each item must be considered on its merits. It cannot be challenged on grounds of excessiveness or extravagance, if it is expenditure of a permissible character.

(It is interesting to compare the allowance of expenses under Schedule "E" (employments, etc.), which provides for the allowance of expenses that are wholly, exclusively and necessarily disbursed in the performance of the duties of that employ-

ment, etc. Here the question of neces is of prime importance. Obviously would be impossible administratively apply the same acid test of absolute ne sity to assessments of businesses un Schedule D. However, it is the circustances of the taxpayer and not usu any option he can exercise, that place within a particular Schedule.)

The expenditure must not be of capital nature. Income tax, as its implies, is a tax on income; there therefore be charged only expenses o revenue nature. Exhaustion (wear tear) of that capital may, however, allowed. It should be noted that our in setting up a business (or extending may be considered of capital nature. maintenance or renewal of such car assets may rank as revenue expendit For example, the cost of an initial natural plate is disallowed but the cost of its newal is allowed. In other cases, as v plant and equipment, furniture, fixture and fittings, motor vehicles, an option granted whereby the whole cost of newals or an annual allowance, etc., ball at on the original cost and the type of as lower may be claimed. The annual allowa at has the advantage of spreading the cha over the period of the life of the as Premiums paid for leases or premises considered of a capital nature.

5. The item must be wholly laid than for the purpose of earning the prof Where expenditure covers only in part allowable charge, an adjustment must made deleting the disallowable porti-Thus the proprietor(s) may charge whole of motor-car expenses and the spector of Taxes requires a proportion them, where applicable, to be added by in respect of the non-business use of vehicle. Where no records of mileage for business purposes have been kept reasonable, though arbitrary, proport needs to be put forward by the taxpay. Four-fifths of the total expenses (includ the allowances for wear and tear, et . seems to be an acceptable fraction in sta circumstances where no special factors be considered arise.

6. The defrayal must not be one frewhich tax is or should be deducted. Item may be wholly and exclusively for purpose of earning the profits, but if

been deducted from it then the Ind Revenue will wish to recover the
Instead of raising a separate assessnt for the tax deducted and allowing
expense to remain in claim, it achieves
same result usually by omitting the
n from the income-tax computation.
example is ground rent. If there
uld be a loss—and consequently no asment—a special assessment on the tax
lucted from the ground rent, etc., is
sed on the business; there are, however,
visions by which that item, together
h the loss, can be carried forward.

justing Accounts for Claims

Bearing in mind these general principles, ne further items of expense may be concred. It must be remembered that the payer may charge expenses he thinks in his accounts, but in arriving at his essment the results shown by his acounts must be appropriately adjusted, Inance premiums connected with trading allowable. They include premiums policies for loss of profits, employers' bility and cash in transit. Whilst losses eivable under an insurance or contract indemnity are not allowable, as they not true losses, sums recovered under urance policies connected with trading a trading receipt and assessable.

Trade subscriptions must be for the purses of the trade. If, however, the trade sociation has entered into a special reement with the Inland Revenue that own surpluses should be brought into arge to tax, the trader may charge such bscriptions against his profits. In any se, professional subscriptions (viz., to ofessional societies), are allowed.

Goods consumed by the proprietor(s) e personal and not an allowable expense it those consumed by employees (even if ey are members of the family of the proietor(s) are allowed if incurred in the urse of their employment. Additional ear and tear on clothes incurred by rean of the particular employment is That is not usually charged in anted. e annual accounts, in which case a speal allowance can be agreed. A list of othing and costs needs to be submitted. he allowance is also given to employees, pecially in laboratories and chemical orks, assessed under Schedule E and aiming expenses allowance.

Tea, milk, sugar, etc., consumed in the purse of the business, overalls, laundry

thereof and cleaning materials as well as cleaning are all chargeable.

Where the premises of the undertaking are owned by the proprietor(s), the appropriate net annual value (Schedule A) should be given effect in the business computation, if not already deducted in the Income tax has been referred accounts. to as an appropriation of profits but in this instance, if the net Schedule A were not allowed as a deduction, there would be a double assessment in respect of the income from the ownership of the premises, since the liability on the assessment of the property under Schedule A must also be met. If the premises are partly used for private residence, only the proportion of the rent or net annual value (whichever is the greater) of the part used for business purposes can be charged. Premises may be sublet and the rent paid or annual value in respect of the portion sublet may be charged, provided that the rent receivable is brought into account. That course may be of advantage where there is an adjusted loss on the computation. the annual rent covers a charge in the nature of goodwill, it is wholly allowable, but a lump sum paid for goodwill, however long the period of payment, is in respect of a capital acquisition.

Repairs of premises occupied for trade purposes, or of equipment employed therein, are chargeable. Any improvements are regarded as capital. Depreciation charged in the accounts must be added back, and the fixed applicable annual allowances charged in its place.

National insurance is not a business charge, except in so far as the employer's contributions are concerned. The proprietor(s) obtain a personal allowance in the assessment for the pension portion of the insurance. Tips, gratuities and Christmas boxes (including those for customers) are permitted charges.

Bad Debts

Bad debts are allowable as and when they are discovered to be bad and irrecoverable. To the extent that a specific doubtful debt is also estimated to be bad, this is also allowed. But over-estimates have to be added back subsequently.

If the owner keeps a car used at all for the business in a garage paid for privately, a charge for rental, etc., can be allocated. Similarly, if home premises are at all used for business reasons, a sum may be included for rent, rates, light and heat, tele-

phone, etc.

Proprietors' travelling expenses in the business itself (including between its branches) are claimable, but not those between place of residence and place of business. A branch may be very near the residence of a proprietor, but that does not necessarily permit an allowance for travelling between that branch and the branch at which the proprietor is mainly occupied. If the latter branch were in the proprietor's neighbourhood, such expense, for example, might generally be claimed.

Trade Marks as Expenses

Though formerly considered of a capital nature, fees paid taking out patents, trade marks, etc., can now be charged as expenses of trading. Renewal, or extension, of them is allowable. All expenses in connection with forming a limited company (preliminary expenses) are a capital item. They form an asset capable of sale. An asset may be bought on hire-purchase terms; the interest part of this may be allowed in the assessment. Usually it is spread evenly over the period of the hire. Some inspectors will agree to include the interest in the capital cost (that is, no segregation of cash cost from interest is made).

Where removal expenses are voluntary, their cost is, in the view of the Inland Revenue, strictly a capital expense. But compulsory removal expenses can be offset against revenue. In any case, cost of removal of stock for resale is often permitted and the authorities now follow, moreover, a practice of accepting all removal expenses so long as a business expansion is not involved; items of an obvious capital nature, such as new fittings, are excluded. Further wear and tear, etc., allowances may be made, or refund of them required, where losses on sale of assets differ from the total of allowances already given.

Obsolete or damaged stock should be valued on its merits, but Inspectors of Taxes, in considering the valuation of stock-in-trade at the end of the period, sometimes urge that the "global" method of valuation should be applied, i.e., the formula "cost or market value, whichever is the lower" is to be adopted, so that the entire list is valued either at cost or at market value and the lower total taken. Nevertheless the taxpayer, if he prefers,

should insist on the valuation of each item without regard to the total. The method followed should, of course, be consistent from year to year. Valuer's fees in relation to stock, even in connection with a sale, are permissible expenses.

Remuneration to an Employee

Wages paid to a wife of a proprietor usually bring a request from the Inspector for a declaration that payment has actually been made. Remuneration to an employee, it would appear, might be challenged if it were an unreasonable deduction in the circumstances. Expenses such as accountants' fees in connection with income-tax liability are allowed so far as they are of a normal character. Costs of appeal, on the other hand, are disallowable whatever the outcome of the appeal. Legal charges of renewing a lease have been claimed to be disallowable, but the Revenue permit such deduction where the lease term is less than fifty years.

It should be appreciated, in interpreting the principles of the allowability of expenses, that concessions and any special statute provisions may disturb those prin-

ciples.

NEWCOMER'S NOTEBOOK 5.—P.A.T.A.

THE Proprietary Articles Trade Association (originally the Association of Manufacturers Wholesalers and Retailers of Proprietary Articles) was established on January 29, 1896.

At a time when price cutting was rife, the essence of the P.A.T.A. plan was to unite manufacturers, wholesalers and retailers to protect their

mutual interests.

Council comprises twelve members from each section—manufacturers, wholesalers and retailers. First official protected list was issued in the "Anti-Cutting Record," July 1896. Members pledged themselves not to supply their goods to anyone on the P.A.T.A. "stop-list" on which any trader was placed if he persisted in cutting the price of the listed articles.

By December 1897 the protected list comprised 142 articles. Today few nationally advertised proprietary articles distributed through the drug trade

remain outside P.A.T.A.

As a result of recent legislative threats to resale price maintenance a Defence Fund, to which all members of the Association were asked to contribute, was started in the autumn of 1951.

Present officers (until January 1953): President, Mr. J. E., Goodall, M.P.S.; Vice-presidents, Mr. R. G. Dyas (J. Grossmith & Son, Ltd.), Mr. H. G. T. Read (Hirst, Brooke & Hirst, Ltd.), Mr. D. A. Rees, M.P.S.; Treasurer, Mr. R. G. Dyas; Secretary, Mr. H. E. Chapman, M.P.S.

INJECTION SOLUTIONS IN OPERATING THEATRES

Recommended Safety Precautions

A TEAM comprising a medical practitioner, theatre sister and pharmacist visited forty-five hospitals in England and Wales to investigate the use of injectable and non-injectable fluids in operating theatres. Their findings are recorded in the "Lancet," (1952.1.410). The investigators came to the conclusion that injection errors are more common than is generally supposed. Among causes of accidents were:

Similar appearance of ampoules containing different drugs; failure to dissolve completely crystalline drugs such as thiopentone sodium: ctorage of ampoules by immersion in colourless disinfecting fluids (allowing contamination of contents of a cracked ampoule to escape notice); inversion of used, rubber-capped bottles in disinfecting fluid (with possibility that negative pressure might draw fluid into the bottle); and the use of gallipots of similar appearance for both injectable and non-injectable fluids. Storage arrangements for injectable fluids were considered generally satisfactory, though "the full value of the cupboard [for Dangerous Drugs and poisons] was lost at some hospitals because it was used for the storage of both poisonous drugs."

Safety Methods in Use

Various methods were in use to prevent accidents. Three hospitals had a scheme of labelling whereby each type of injection prepared in the pharmaceutical department had a distinctive label. Two hospitals used labels of contrasting colours, one for each strength of solution supplied. The authors point out that confusion occurs because solutions of d-tubocurarine chloride in strengths of 3 mgm, and 10 mgm, per mil are on the market.

Almost all the hospital staffs visited criticised the labelling of ampoules. Manufacturers who now label ampoules with indelible ink are commended, and as a refinement the anæsthetist and pharmacist of one hospital suggested bright blue and bright orange as the two most suitable colours to adopt. A label printed from a block in relief letters so as to produce transparent lettering was favourably noticed for its legibility. The use of printer's ink for labelling ampoules is condemned because the ink is partially soluble in industrial spirit. It was a general opinion that much irrelevant information is printed on ampoules, with the result

that the essential information is too small to be easily read. A dangerous practice is the transfer of fluids from their original containers to others (such as lemonade and medicine bottles) labelled with adhesive tape. Accidents were mainly associated with surface analgesics, solutions for skin sterilisation and aseptic storing of ampoules. The practice of adding colour to colourless non-injectable fluids was common to all hospitals, but there was no uniformity in choice of colour.

Practical Suggestions

In their general conclusions, the authors call for responsibilities to be more clearly defined, that of the pharmacist or manufacturer supplier being to ensure correct preparation. They make the following specific suggestions, among others. Ampoules containing different drugs should always be stored separately. The contents of an unlabelled container should be immediately discarded. No container should be labelled or re-labelled by any person other than a member of the staff of the pharmaceutical department of the hospital. Manufacturers should, so soon as facilities permit, carry out the recommendations on the labelling of ampoules of anæsthetic drugs (C. & D., 1948.I.728) and in particular the recommendations dealing with the text of the label. The printing on an ampoule should run parallel to its long axis. Ampoules containing solutions of spinal analgesics, and ampoules containing solutions of muscle-relaxing drugs, should be of distinctive colours. Orders for in-jectable materials should be in writing and clearly written. Solutions of morphine or atropine salts, and all sedatives and stimulants, should be used only from ampoules. Solutions of drugs intended for use as local analgesics when applied to mucous surfaces should be coloured. Non-injectable fluids used in the storage of ampoules and syringes, and non-injectable fluids usedfor the sterilisation of the skin, should also be distinctively coloured. The British Pharmaceutical Codex Revision Committee should consider drawing up a standard range of colourings for non-injectable fluids. Standard containers should be used in the operating-theatres of all hospitals for solutions to be injected. Heat-resistant graduated beakers, in three sizes (50-mil, 100-mil, and 300-mil) are thought suitable for that purpose.

A NEW RAT POISON

THE production in Britain of a new compound for destroying rats was announced in a statement for the Ministry of Agriculture and Fisheries dated February 18. Warfarin (3(alpha phenyl-beta-acetylethyl)-4-hydroxycoumarin), the compound referred to, is an anticoagulant related to dicoumarol. It causes death painlessly by internal hæmorrhage. The possibility of using a blood-anticoagulant as rodenticide was discovered by workers of Ward, Blenkinsop & Co., Ltd., from whom the Director of Infestation Control, Ministry of Agriculture and Fisheries, took up the work about four years ago, Messrs. Ward, Blenkinsop supplying the dicoumarol. It was found that the concentration of dicoumarol required in the food bait seemed to make it unpalatable so that some of the rats avoided the baits. American workers took up the idea of the use of an anticoagulant, and found that a related compound (the product now called warfarin) could be used in a much lower concentration, without, apparently, being unpalatable in the food-bait. Work was later done on the compound in Britain.

The Ministry recommends the use of warfarin in two strengths (0.005 per cent. against common rats and 0.025 per cent. where ship rats or mice are present). The manufacturers are required by the Ministry to produce warfarin in a master-mix containing (a) o.1 per cent. and (b) o.5 per cent, respectively by weight of war-farin in fine oatmeal or other approved material (to facilitate even distribution of poison in the final bait preparation, which is made by adding one part of the mastermix to nineteen of medium oatmeal or other approved material). The baits should remain in position for a number of days without disturbance, and must therefore be laid in suitable containers to prevent scatter and loss. "In the front rank in the art of rat-killing," the Ministry statement adds, "it appears to be a painless killer of rats and mice, and could only be regarded in its low concentration as harmful to people and livestock if taken repeatedly and in quantity over a number of successive days. That is most unlikely to happen with prudent baiting." There seems no need to alternate warfarin with other poison baits, except where warfarin, for some local reason, fails. Warfarin is not at present recommended for use in sewers. It is now being produced to the Ministry's specification by several makers.

MERCURY POISONING FROM TEETHING POWDERS

A PREVIOUSLY unrecognised danger chronic mercury poisoning in young ch dren appears to be inherent in prolonge administration of teething powders co taining mercury. Wilson and colleagu (" British Medical Journal," 1952.1.35 60) find that the prolonged administration of mercury to young children may cau mercury nephrosis. They urge that me cury compounds should be omitted fro all teething powders, and that other me cury compounds should be used with car

A clue to the existence of mercury nepl rosis was found while investigating cas of "pink disease" in children. It was noticed that one of the children, who wa also suffering from kidney disease, wa excreting large amounts of mercury in th urine. It was decided thereafter to examine for mercury in every case of nephro sis, and five cases have so far been detected Inquiry from the parents showed that i each case mercury compounds had bee given to the children regularly and over long periods. Three of the children dra matically improved on treatment under d mercaprol, a fourth recovered sponta neously after cessation of the doses of mercury. The fifth child, however, died be fore dimercaprol treatment could be stated. One of the cases had received thre four teething powders containing gr. 0.64 mercury (as calomel) weekly, fol lowed later by one to two powder monthly; the three others totals of gm. 3.1 3.8 gm. and 15 gm.; and the child wh died (aged nineteen months) had bee given daily one teething powder contain ing gr. 0.56 mercury for three to fou months before admission.

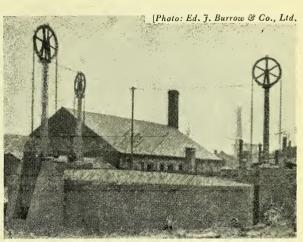
ECHOES OF THE PAST RECIPE FOR AN AGUE

From "The London Chronicle."

November 1-4, 1760
Take five grains of house cobweb, clap between a cloth, and pick'd as clean as you can; make it up with a little syrup o elder, or with any syrup, till it will rol into a pill. As near as you can guess, take it an hour before the fit comes on. Drink half a pint of warm ale after it. Wall for an hour as fast as possible, without sitting down. Three or four grains are sufficient for a child, with a quarter of a pint of ale, and at least half an hours exercise. If the child cannot walk, it must be kept in motion.—Gentleman's Mag.

& D. INTERVIEWER
DISCOVERS

what METHWICK chemists are thinking



METHWICK, Staffs, a compact town of 77,000 inhabitants at the edge of the ack country only about three miles west Birmingham, has twenty-two pharma-

Birmingham, has twenty-two pharmass. Despite its proximity to the Midland pital and the absence of any apparent undary between them, the town mainins its individuality. Mentioned in the omesday Book, Smethwick came into its vn in the industrial revolution. James att installed there his first improved am engine and, at a later date, the first mmercial gas supply. The original gas-blder is shown above.

Pharmaceutically, Smethwick has not en greatly changed by the National ealth Service, for the bulk of dispensing one was already "N.H.I." The volume was already "N.H.I." The volume ow is larger, and more proprietaries are escribed. Doctor-chemist and chemistemist relationships are good. There is a burishing local Pharmaceutical Association (established in 1911) though Pharmacutical Society activities are limited because Smethwick is put in the area of the irmingham Branch, and the journey to e"city" after closing is a deterrent.

onfidence in the Future

MR. A. M. CARR, Oldbury Road, (chairian of the Smethwick Pharmaceutical ommittee, vice-chairman of the National harmaceutical Union Branch, and owner two shops, one of which specialises in ispensing) said he had every confidence in the future of the professional side of pharlacy. He maintained that pharmacists hould take over 100 per cent, of the ation's dispensing by becoming respon-

sible for the supply of medicines to patients in remote districts and in all emergencies. Pharmacists on whom extra responsibility fell should be helped either by a levy from other pharmacists or by preferential fees. He for one would be prepared to undertake all emergency work on a basis of equality (i.e., one week in twenty-two). There was no rota in his area and he kept open until 7 p.m. in view of the times of the doctors' surgeries, which were "reasonable," commencing at 4.30 p.m. There was a notice in his window that persons requiring urgent medicines should telephone him, and he urged co-operation between doctors and chemists in arranging surgery and dispensing hours. When meeting doctors chemists should, he said, be careful to limit their remarks to purely pharmaceutical matters, for much damage could be done to the profession by pharmacists stepping into the sphere of thera-

"Something should be done to show to the public that a considerable proportion of the cost of the pharmaceutical service is attributable to purchase tax on prescribed patents and is merely transference of money from one Government department to another." Co operation with local doctors would reveal ways of reducing the use of proprietary drugs where non-proprietary products existed, and millions of pounds could be saved with no reduction in therapeutic efficiency if doctors used official preparations rather than proprietaries. Pharmacists should be concerned to run the National Health Service as economically as possible. Mr. Carr was speci-

ally sore about the "plugging" of new combinations of official drugs sold under

proprietary designations.

To try and ensure that attractive but dangerous medicine was kept out of children's reach, some doctors in his district wrote "to be kept away from children" on prescriptions. Labels with that wording should be attached only on a doctor's instruction, but to save a doctor the trouble of writing out the labelling directions EC10 forms might carry a printed direction to be crossed out if not necessary.

Mr. Carr said there would be more interest locally in the Pharmaceutical Society if Smethwick had its own branch. Locally the man-power shortage was acute and

might bring about a breakdown,

Pharmacy in Industrial Areas

EDWARD TRANMER (secretary, Smethwick Pharmaceutical Association and local branch of the National Pharmaceutical Union) carries on a business in the High Street which his father (Mr. H. M. Tranmer) established in 1901, and has a branch shop a few minutes' walk away. He said that the most popular subjects at Association meetings were remuneration and other N.H.S. matters. While the National Pharmaceutical Union was doing a "marvellous job," the local branch had to contend with difficulties arising from the scattered nature of the district. The ideal pharmacy described by the registrar of the Society at the British Pharmaceutical Conference in 1951 was not suitable for an industrial district. Mr. Tranmer confirmed that pharmacists in Smethwick were facing a bad man-power shortage which was serious in view of the heavy dispensing in the town. It seemed that pharmacists did not like to go to an industrial area, particularly where accommodation was lacking. In his district, if a careful watch were kept on prescribing trends and buying were done carefully, no undue stock of prescribed proprietaries would be left on the shelves, but removal of price control would be very serious and in that respect chemists should fear the grocers most. The Proprietary Articles Trade Association should receive the strongest support.

MR. C. L. HIGHFIELD (managing director of C. L. Highfield, Ltd., 431 Bearwood Road, a company with five shops in Smethwick and Birmingham) said he had opposed apprenticeship after qualification until he had read the report of an address by Professor J. Todd on the subject (C. \mathcal{C} D., January 5, p. 24). He thought that it was

high time a system of pensions for staf in retail pharmacy was introduced. H company operated such a scheme.

He opposed the penny-farthing contains allowance, advocating an outright pu chase by patient or the introduction of deposit system. "The evil of the ol deposit system lives on," he said, "th good has been interred with its bones."

For Mr. T. D. RICHARDS, 48 Three Shires Oak Road, Bearwood (the proprie tor also of a shop in Birmingham and par ner in an Oldbury business) the greate problem was labour. He agreed with the principle of raising educational standard for pharmacists, but thought that the Council of the Pharmaceutical Society wa out of touch with pharmacists in practic Often a year of a students' time wa wasted because the school leaving exan ination results were not received in tim for him to be able to start his pharmacel tical studies in the following Septembe The Society should allow students to tal their apprenticeship before the Interme diate examination, or one year before an one year after that examination. M Richards based his remarks on experience from training seven apprentices.

Has Pendulum Swung Too Far?

Mr. L. H. Teare (a director, with h son Mr. Brian J. Teare, of the old-estal lished pharmacy at the top of Capel Hil Smethwick) is a member of the Executiv of the National Pharmaceutical Union and represents the Pharmaceutical Societ on the advisory committee of the Birming ham Central Technical College. He wa careful to emphasise that any opinions hexpressed were personal. Mr. Teare far oured apprenticeship before qualification because otherwise the graduate had tacquaint himself with "rougher stuff tha his qualification deserves." The old sy tem of running a shop on four apprentice was wrong, but now the pendulum ha swung too far the other way. Mr. Bria Teare, who had held a commission a company officer in the Royal Army Med cal Corps (not on pharmaceutical duties suggested that there was room in the Corp for both sergeant and officer pharmacist He did not hold that all pharmacists wh

were dispensing should be officers.
MRS. F. G. NASH, manageress of Barnister & Thatcher, Ltd., 55 Hurst Roac thought that two years' academic trainin before the final was necessary, and wa not in favour of apprenticeship bein taken after the final examination.

CODEX SUPPLEMENT, 1952

TENTY-TWO substances for which no remised standard previously existed in at Britain have been added to the tish Pharmaceutical Codex (part I) by 552 Supplement published on February

Preparations of a number of those stances are included in the twenty-five v formulas that have been added to rt IV of the Codex. In part V the use rayon as a partial replacement of cotton surgical dressings has been recognised the first time. Improvements have been de in the flavour and appearance of idren's mixtures—a number now construpt of raspberry, for which a formal has been included.

The new monographs (apart from those official drugs new to the Codex) have titles shown in the list below.

rt I, General Monographs minii pulvis Injectio insulini globini

minii pulvis
hidoni hydrochlorilum
reomycini hydrochlor,
llulosum oxidatum
anocobalaminum
psonum
camethonii jod.
xamphetaminæ sulph.
æthylcarbamazini
citras acidus
-iodohydroxyquinoinum
llaminæ triethiodid.
mmabenzeni hexachlor.

Lucanthoni hydrochlor.
Mephenesinum
Pentamethonii iodidi
Sodii aminosalicylas
Solapsonum
Spongia gelatini
absorbenda
Tetraethylammonii brom.
Troxidonum

Liquor tetraethylammonii

cum zinco

chloridi

rt V, Surgical Dressings

GAMENTA: Crispi gossypii Elasticum adhesivum diachylon Gossypii elasticum

art VI, Formulary

JECTIONES : Amidoni hydrochlor. Cyanocobalamini Dapsoni Decamethonii iod. Dextrosi fortis Tetraethylammonii bromidum Tetraethylammonii chloridum iquor sodii benzoatis et chlorocresolis ebula isoprenalinæ sulph. ebula isoprenalinæ sulphatis composita asta aluminii comp.

astilli scillæ opiati

LIGAMENTA:
Pastæ zinci et
ichthammolis
Rayon elasticum
Retis elasticum

Pessus stilbæstrolis

Pessus violæ crystallinæ Solvellæ penicillini Syrupus rubi idæi TABELLÆ: Acidi folici Amidoni hydrochlor. Dapsoni Dexamphetaminæ sulph. Diæthylcarbamazini cit. ac. Di-iodohydroxyquino-Isoprenalinæ sulphas Lucanthoni hydrochloridum Solapsoni

New Specifics

The new substances include two absorbable hæmostatics (oxidised cellulose and absorbable gelatin sponge); one antibiotic (aureomycin); two sulphones (dapsone and solapsone for use in leprosy, etc.), para amino salicylic acid (as sodium aminosalicylate); agents against microfilariæ (diethylcarbamazine acid tartrate), intestinal protozoa (diiodohydroxyquinoline), schistosoma (lucanthone hydrochloride). A curare-like compound, gallamine triethiodide, and muscle-relaxants (mephenesin acting on the spinal cord, and decamethonium iodide) are included. Tetraethylammonium chloride (as a solution) and bro-mide (agents for blocking the transmission of sympathetic and parasympathetic impulses), and pentamethonium iodide (which inhibits transmission of impulses through the automatic ganglia) are given monographs. Vitamin B₁₂ appears under its internationally approved name cyanocobalamin, and a dione for the prevention of petit mal seizures as troxidone.

New Formulas

An old-type preparation receiving an officinal formula is Gee's pastilles (opiate pastilles of squill). Compound paste of aluminium (Baltimore paste) is included The new solution of in the same section. sodium benzoate and chlorocresol has been given the synonym surgical instrument preservative solution. Monographs given to fourteen substances that have not been described in the Codex but are the subject of official monographs. Monographs of eight of the nine preparations for human blood (in part III) and of fourteen other substances in the Codex have been modified to conform with monographs added to the British Pharmacopœia after they had become officinal. Details of tests have been amended. Corrections to the weight per mil already announced (see C. & D., 1950.II.688) have been incorporated in the Supplement. The monographs for solution of sulphestol and those for vaccines now official have been deleted. The layout of the Supplement is like that of the Codex, graphic chemical formulæ being given for new compounds. Special emphasis has been given to the action and uses of drugs forming the subjects of new monographs. The Supplement contains 148 pages of the same size as the Codex.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quar ties of standard quality. Prices of crude drugs and essential oils vary as to brand or gra-

LONDON, FEBRUARY 27 ACTIVITY in all markets during the week was again negligible, and there were no major price changes in the Pharmaceutical and Fine Chemicals. The Board of Trade is now prepared to grant licences for the export of Zinc oxide to the dollar process. areas, the British Colonies and Dominions, and will give sympathetic consideration to

requests for supplies to other areas.

The downward price movement in the CRUDE DRUGS market continued. Among the commodities affected were BALSAM PERU, IPECACUANHA, Prime Cape ALOES, STROPHANTHUS Kombé and most WAXES. Menthol quotations were again lower without attracting any buyers; the import figures during January show that only 2,672 lb., valued at £9,430, was imported by the United Kingdom, against 42 373 lb., valued at £171,341, in January 1951. A year ago the spot price was over £5 per lb., yet today it stands at 60s. per lb. with lb., yet today it stands at 60s, per 1b, with buyers showing no interest. Zanzibar CLOVES commanded 7s. 3d, per lb, for spot parcels and 7s., c.i.f. Most importers have exhausted their licences for Agar. For the small amount not taken up, sellers are asking high premiums. Shellac values were marked down, following an accion trond at Colontal Who Clay 160 for easier trend at Calcutta. The GUM ACACIA

market became firmer.

The effect of the revocation of open general licences for ESSENTIAL OILS originating outside the sterling area is clearly shown in the Trade and Navigation Ac-counts for January (see p. 286). Their total value from all sources was £487,970. against a monthly average of £611,000

during the past twelve months and £751,208 in January 1951.

The Ministry of Food announces that no changes are being made in the prices of unrefined oils and fats and technical animal fats allocated to primary wholesalers and large trade users during the four-week period ending March 22. There are also no changes in the prices of refined oils and imported edible animal fats allocated for the period ending April 19.

U.S. Drug and Chemical Report

NEW YORK, FEBRUARY 26 While demand for heavy chemicals has not improved, prices remain quotably un-changed. The easier trend in Brazilian MENTHOL continues with reports of offerings at \$7.50 per lb., duty paid, and with lower prices expected. Chinese menthol is quoted at \$8.25 per lb. Crude GLYCERIN turned firmer on better export inquiry. Substantial losses of 75 cents per lb. were recorded for AMINOPHYLLINE and THEO-PHYLLIN, now at \$4.85 and \$5.00 respec-

tively, following an influx of imports, cut of 9 cents per lb. was made p.-Aminobenzoic acid and now sells low as \$3.68 Strength was shown in so BOTANICALS. Higher per lb. were C CARA SAGRADA at 36 cents (up 1 cent) a SANDARAC at \$2.73 (15 cents). Lower lb. were Belladonna leaves at 42 ce (down 3 cents) and Tolu Balsam at \$5 Among the Essential O (5 cents). that were higher were: CLOVE at \$5 (up 25 cents); SPEARMINT, \$7.60 cents); CHENOPODIUM, \$7.60 (10 cent ANISE, \$1.65 (5 cents), and Florida ORAN \$1.75 (25 cents), Lower per lb. were Cey CITRONELLA at 80 cents (down 2 cent DILLWEED, \$3.70 (5 cents); Bourl GERANIUM, \$12.75 (25 cents); Alg ian Geranium, \$10.00 (1.00) and impor Pennyroyal, \$3.05 (20 cents).

Pharmaceutical Chemicals

ASCORBIC ACID.—1-kilo lots for the ho trade are £14 per kilo; 500-gm., £14 1 per kilo.

Calcium gluconate. — Quantities of cwt, and upwards are quoted at 4s. 1 lb.; 1 cwt, to 2 cwt., 4s. 1d.; smal quantities, up to 4s. 4d. per lb.

Chloroform.—1-cwt, lots in winchest are now 3s. 6d. per lb.; 56-lb., 3s. 6 In drums, prices are 3s, 4d. and 3s. 4½d

CINCHOPHEN.—1-cwt, lots are quoted 24s, 9d, per lb., with smaller quantities to 27s. 9d, per lb.

Cocaine. — Rates per oz. are as f lows: Alkaloid and Salicylate, bott ½-oz., 27s. each; ½-oz., 53s. each; 1-c 104s.; 4-oz., 103s.; 8-oz., 102s.; 16-c 101s.; tins, 25-oz., 100s. Hydrochlori and Nitrate, bottles, \$-0z., 24s. 6d, eac \$\frac{1}{2}\cdot 0z., 48s. each; 1\cdot 0z., 94s.; 4\cdot 0z. 93s. 3 \$-0z., 92s. 3d.; 16\cdot 0z., 91s. 6d.; tins, 25\cdot 0z. 90s. 6d.

CYCLOBARBITONE. — BASE and CALCIL DERIVATIVES in 1-cwt, lots are 75s, per ll small lots from 79s. 6d. to 77s. 3d. per

Hydrocyanic acid.—Dilute, B.P.C., from 1s. 4d. to 1s. 11d. per lb. as to que tity. Scheeles is from 1s. 8d. to 2s. per lb.

Hydroquinone. — Quotations for 1-cv lots are 11s, per lb. For smaller quantit viz., 28-lb., 11s. 3d.; 14-lb., 12s.; 7-l

IODIDES.—Rates (per lb.) for Potassit are as follows:—1-cwt., 18s. 1d.; 28-l 18s. 7d.; 7-lb., 22s. 2d. Sodium iodide i 1-cwt., 19s. 7d.; 28-lb., 20s. 1d.; 7-l 23s. 10d.

IODINE PREPARATIONS.—Rates (per ll are as follows :- RESUBLIMED IODINE,

21s. 3d.; 28-lb., 21s. 9d.; 7-lb., 9d, Iodoform powder, 1-cwt., 25s. 4d.; 25s. 10d.: 7-lb., 30s. 6d. (CRYSTAL, d. per lb. more).

NCTATES.—CALCIUM, B.P., is 3s, $0\frac{1}{2}$ d. b, in 1-cwt. lots; 28-lb., 3s, $4\frac{1}{2}$ d.; 7-lb., $3\frac{1}{2}$ d. per lb. Calcium sodium, B.P.C., he same quantities is 4s, $8\frac{1}{2}$ d., 5s, $0\frac{1}{2}$ d. 5s, $4\frac{1}{2}$ d. per lb. Lactic acid, B.P., in inchester lots is 4s. 6½d., 6 winchesters, 10d. and 3 winchesters, 5s. per lb. boys are 4s. 5d, per lb.

AGNESIUM SULPHATE.—B.P. crystals in ı lots are 19s. 6d. per cwt., packed in

ian bags, ex works.

ETOL. - In 1-cwt. lots the price is 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., ; 7-lb., 28s.

ICOTINAMIDE.—Prices are: 10-kilo lots, . per kilo; 1-kilo, 182s. 6d.

HENOL.—Basic price for B.P. in drums 6. 6d. per lb.

otassium nitrate. — Pharmacopæial ity is 145s, per cwt. (crystal, granuor powder) and commercial, 90s.

ROCAINE HYDROCHLORIDE, — 1-cwt. lots 45s.; 28-lb., 47s. 6d.; 7-lb., 49s.

ESCORCIN. — Price per lb. for 28-lbb, lots is about 15s. 6d.

ALOL, B.P.C. — Current quotations for ntities of 1 cwt. are 9s. to 10s. 6d. per according to pack; 28-lb., 10s. 6d.; b., 13s. $0\frac{1}{2}$ d.; 7-lb., 16s. 1d.

DIUM SALICYLATE.—Rates are: 1-ton in bulk, 3s. 5d. per lb.; 5-cwt., 5½d.; 1-cwt., 3s. 6d. Scheduled rates he home market for 28-lb. and under t, are from 4s. 1d. to 4s. 5d. per lb.,

p pack.

DDIUM SULPHITE.—Prices are as fol-*:—ANHYDROUS powder, in 4-ton lots, 15s. per ton, packed in 1-cwt. free ns. Pea Crystals (photographic) in lots, £36 17s. 6d. per ton in free kegs £28 12s. 6d. per ton in 1-cwt. bags. charges: 2 tons, 10s.; 1 ton, £1; 10, £2; 5 cwt., £3; 1 cwt., £6 more than

ODIUM THIOSULPHATE. — In 4-ton lots. ted in non-returnable kegs, the price is 2s. 6d. per ton; in 1-cwt, bags, 17s. 6d. per ton. £1 per ton extra for

er-lined bags.

ERPINEOL.—Prices of B.P. grade are 1 4s. per lb. upwards as to quantity.

INC CHLORIDE. — B.P.C., cake, is from 6d. to 4s. 10d. per lb.; sticks, from 10d. to 6s. 2d. per lb.

INC OXIDE.—Minimum (2 tons) rates

as follows:—B.P., £220 per ton.; white £208 15s.; green seal, £207 15s.; red £206 5s.

INC SULPHATE.—1-cwt. lots are quoted s. 4d. per lb.; 28-lb., 1s. 7d.

Crude Drugs

AGAR.—Kobé No. 1 is scarce on the spot. Aloes. - Prime Cape on the spot is easier at from 207s. 6d. per cwt.

Balsams, — Canada is from 30s. to 32s. 6d. per lb. on the spot. Copaiba: Market bare. Peru is 16s. per lb., duty paid, and 13s., c.i.f., for shipment. Tolu, natural is unchanged on the spot at 34s. 6d. per lb., and for shipment, 31s., c.i.f. B.P. quality is 28s. per lb., on the spot.

Buchu.—Short round leaves are 2s. 2d. per lb. on the spot. New-crop quotations

are 2s. per lb., c.i.f.

CAMPHOR.—Chinese (B.P.) powder on the spot is from 4s. $4\frac{1}{2}$ d. per lb. in bond (4s. $10\frac{1}{2}$ d., duty paid); $\frac{1}{4}$ -oz. tablets are quoted at 6s. 3d. per lb., duty paid, $2\frac{1}{2}$ -lb. slabs, 5s. 3d. per lb., duty paid. Synthetic is from 5s. to 5s. 3d. per lb.

Capsicums. — Abyssinian are 120s, per cwt. on the spot. East African, on stalk, are 150s, per cwt., and off stalk from 180s.

to 220s.

CARDAMOMS. — Aleppy greens for February-March shipment, are 16s. 6d. per lb., c.i.f. Spot supplies are 21s, per lb.

CHILLIES.—Quiet. Sierra Leone on the spot are 250s. per cwt.; for shipment, 180s., c.i.f.; East African (Mombasa), 310s., ex warehouse; for shipment, 275s., c.i.f.

Cloves.—Zanzibar are scarce on spot. Nominal quotations are at 7s. 3d. per lb. for spot and 7s., c.i.f., for shipment.

Ergot,—Quotations for Portuguese are nominal with spot at 40s, per lb, and shipment, 38s., c.i.f.

Galangal root. — For spot supplies, 120s. per cwt., ex wharf, is asked. Forward quotations are 82s, 6d, per cwt., c.i.f. London

GINGER.—Easier. African on the spot is 172s. 6d. per cwt. New-crop February-April shipment, 160s., c.i.f. Jamaican on the spot is from 360s. to 390s. per cwt., as to quality; quotations for February-April shipment of new-crop, No. 3, are from 290s., c.i.f.

Guaiacum resin. — Spot quotations are 3s. per lb.

GUM ACACIA.—Firmer, Kordofan cleaned sorts on spot are 120s, per cwt.; March-

April shipment, 115s., c.i.f.

IPECACUANHA.—Forward offers are: Colombian, February-March shipment, 49s. per lb. Nicaraguan, March-April, 54s., both c.i.f. Spot prices of Colombian are 54s. per lb., and Nicaraguan, 57s. 6d.

Karaya.—No. 1 gum on the spot is about 300s. per cwt.; No. 2, 200s.

Lanolin. — Scarce. B.P. anhydrous is nominally £170 per ton and hydrous, £150. Mace. — West Indian pale blade is

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9s. per lb.; for shipment, 8s. 3d., c.i.f.

MENTHOL.—Quotations for Chinese are 60s, per lb., duty paid, and 57s. 6d., c.i.f., forward. Brazilian forward price for April-May shipment is unchanged at 52s., c.i.f.

Rhubarb.—Quiet. Double Deer No. is offered at 8s. 9d. per lb., duty paid, with other grades of Chinese rough round at from 4s. 6d. to 6s. 9d. per lb., duty paid.

Sarsaparilla. — Jamaican native red is about 2s. 6d. per lb. on the spot and for shipment, 2s. $4\frac{1}{2}d.$, c.i.f.

SEEDS.—ANISE.—Market quiet and unchanged. Cyprus is 157s. 6d. per cwt.; Turkish, 150s., in bond, Caraway.—Dutch are inclined to be easier. Selling quotations at 115s. per cwt., duty paid. Celery.—Indian is dearer for shipmen; paid. the spot price remains at 1s. 11d. per lb. Coriander.—Quiet. Spot sellers of Morocco at 85s. per cwt., duty paid, and 80s., in bond. Argentine splits are 80s., duty paid, and Indian, 100s. nominal. Morocco for prompt shipment are now quoted at 62s. 6d. per cwt., c.i.f., London. Cumin.— No business reported during the past week. Spot, Cyprus, 210s. per cwt.; Indian, 205s.; Malta, 210s. and Morocco, 205s., in bond. Fennel.—Indian on spot is 210s, per cwt. French or European is now offered at 170s, per cwt., in bond. Fennels.—Morocco is 45s, per cwt., duty paid, ex store London or Liverpool. DILL. —Indian still offered at 85s. per cwt., spot London. Mustard.—English is from 75s. to 115s. per cwt., according to quality.

SENNA. Good quality Tinnevelly leaves are short on the spot. Prime No. 3 are quoted at 1s. 2d. per lb. For March-April shipment f.a.q. pods are 2s. 5d. per lb. c.i.f. Alexandria pods are from 3s. to 6s. 6d. per lb., as to quality; siftings, 10½d.; manufacturing pods are 2s. 5d. per lb. spot. lb., spot.

SHELLAC.—Lower, Spot quotations are: F.O.T.N., pure 282s, 6d.; F.O. Standard No. 1, 300s.; fine orange, 335s. 400s. per

cwt., ex-London warehouse.

STROPHANTHUS.—Kombé, 100 per cent. is quoted at 18s. per lb. on the spot. Gratus, forward offers are 33s. 6d. per lb., c.i.f., March-April shipment.

Tragacanth.—No. 1 ribbon on the spot is £155 per cwt.; No. 2, £135; No. 3, £100.

Turmeric.—Madras finger is 75s. per cwt., spot London; new-crop for shipment, 60s., c.i.f.

VALERIAN.—Whole Belgian on the spot is guoted at about 220s, per cwt., spot, and 190s., c.i.f., for shipment. Indian is us. per cwt., spot London; for shipment. 145s., c.i.f., quoted. Spot Russian is 180s. per cwt.

Waxes.—Bees'.—Dar-es-Salaam on the spot is 510s. per cwt.; shipment, 490s., c.i.f. Benguela on the spot is 500s, (in

bond, 490s.); shipment, 465s., c.i.f. C. LILLA.—Spot supplies are offered at Prime yellow, spot, 990s. per cwt.; ment, 930s., c.i.f. Fatty grey, spot, per cwt.; shipment, 730s., c.i.f. Mont Reibeck crude on the spot is 135s cwt. Ouricuri.—Spot, 0.5 per cent purities, 725s. per cwt. Spermack Spot supplies are from 2s. to 2s. 3d, p

Essential and Expressed Oil

Anise.—Spot supplies are 8s. pe and 7s. 6d., c.i.f., February-March

BAY.—Drum lots of W. Indian are per lb., on the spot, and from 9s., forward.

Bergamot.—Nominal spot value is per lb.

Bois de Rose.—Brazilian on the s 33s, per lb.

Cade. — Supplies of Spanish are 2s. per lb., ex warehouse, London.

Caraway oil. — English-distill offered at 45s.; imported oils in li supply are from 35s. upwards per li spot.

CITRONELLA. — Spot prices for or drums are: Ceylon, 5s. 6d. per lb.; mosa, 6s. 6d. and Java, 7s. 5d. Fo quotations are: Ceylon, 4s. 9d.; For 4s. 10d.; Java, 5s. per lb., c.if.

Cod-Liver.—Medicinal, B.P., is 14 gall, in charged returnable drums 15s, 6d, per gall, in 1-gall, tins; deli Veterinary is from 12s, per gall.

GERANIUM. - Bourbon on the si from 65s. to 70s. per lb.

Lemongrass. — Forward quotation 12s. per lb., c.i.f., prompt shipment. supplies are from 14s. per lb.

Nutmeg.—Quiet. English-distilled from 45s. to 47s. 6d. per lb. Import (B.P.) is from 35s. per lb., duty forward: from 25s. to 28s., c.i.f., source.

Orange.—West African for Feb. April shipment is 21s. per lb., c.i.f. J can is 31s, on the spot,

PEPFERMINT, — Chinese arrensis the spot is 34s, per lb. for 5-case Forward offers for March-April ment are about 32s, per lb., c.i.f. zilian for shipment is 25s, per lb., and spot, 29s, Italian "Mitcham" is 62s, 6d, per lb. for original druit the spot. the spot.

PINE.—Pumilionis on the spot is of at from 18s. to 20s. per lb.; sylves, at about 11s. per lb., and Siberian (a is from 18s. to 20s. per lb., duty as to holder.

SAGE. - Spanish is offered at 9s. 6 lb., spot,

DEVELOPING COLONIAL RAW MATERIALS

he face of the present world shorts of many important raw materials, interest focuses on colonial areas as that may be further developed. The al Products Advisory Bureau (Plant nimal) which was formed with the al object of promoting the indusse of plant and animal products from plant and allied industries.

ination of Specimens

nerly a department of the Imperial te, the organisation was transferred control of the Colonial Office in 1940, though it is still housed in the Institute Building, London. Bureau receives samples of materials government departments in the Colfor chemical and technical examinaind for submission to firms in the concerned. After examining the es the Bureau issues reports on their sition, commercial utilisation and t value. The investigations are diviito six sections, each concerned with cicular group of materials. One secs concerned with essential oils, gums esins, another with insecticides, drugs, Close liaison is maintained with the facturing and consuming industries United Kingdom by the medium of es of consultative committees, which attention to specific current needs U.K. industry concerned or subrecommendations for new developor improvements in the standards of g products. Represented on each ittee are manufacturers, industrial ch organisations, the Colonial Office, Colonies having a London office, and ureau itself.

the top story of the Imperial Instibuilding are large and well-equipped tories for chemical examinations. aboratory is devoted to fixed oils and eds, insecticides and drugs, while er is specially equipped for the extion of essential oils. Oils from ials distilled for the first time, or oils experimental cultivations of welln plants, are investigated to determine constituents, and are submitted to ade to ascertain their suitability and for specific purposes. Advice is given e design of stills and equipment and ications and estimates of cost are led for any plant needed.

Samples of geranium oils from Tanganyika were submitted recently to essentialoil distillers and perfumers. One firm expressed the opinion that oil of the best sample submitted would not command initially the price of Bourbon, but there was no reason why it should not compete on equal terms once it had become established as a reliable source of rhodinol. Evaluation of a rosemary oil from the same territory showed it to be comparable with oil of Spanish origin, though the sample might be difficult to market on account of its unusual odour. Patchouli oil was formerly obtained from Malaya, and later from Sumatra. In recent years the output of both countries has fallen considerably, but production had been started in the Seychelles and to a smaller extent in Nyasaland. Evaluation of a patchouli oil from Tanganyika indicated that, if free from contamination, it would probably compare favourably with commercial patchouli oils of Seychelles origin. Tanganyika patchouli should find a ready market in the United Kingdom, particularly since supplies from other sources are scarce from time to time.

Avocado from Kenya

Avocado oil is at present produced on a commercial scale only in the United States, and supplies to Britain are necessarily restricted. Consumers would therefore welcome supplies from the Colonial Empire. In Kenya, avocado pears are fairly extensively grown. Most of the plants are seedlings from the West Indies, which have a low oil content, but the variety Fuerte, favoured in California, is now being more extensively planted and has an average oil content of 18 per cent. A sample prepared from Kenya-grown fruit (Fuerte variety) was sent to the Bureau for evaluation. The oil when received was not completely free from petroleum ether, but when that solvent had been removed the oil was found to be of a quality comparable with that produced from Californian fruit of the same variety. It was thought that a similar oil would be suitable for use in soap and cosmetics and as an edible oil, though for the latter application bleaching might be necessary to remove the green

With a view to determining the prospects of establishing an aloes industry in Anguilla, samples prepared on the island were forwarded to the Bureau by the De-

 $33\frac{1}{3}$

partment of Agriculture, the Leeward Islands. Examination showed that, apart from moisture content which was slightly above the specified limit of 10 per cent. the sample conformed with the requirements of the British Pharmacopæia, the aloin content being regarded as equivalent to that of moderately good Curação material. It is of interest to record that from a suggestion made by the Bureau in the 1920's there originated Kenya's valuable dollar-earning pyrethrum industry, which by 1938 had virtually ousted the Japanese product from the American market.

Attention has been given in British Honduras to the possible production of turpentine and resin for the U.K. No tapping on a commercial scale has taken place, but small experimental tappings of oleo-resin required for laboratory tests have been made, and a sample was recently examined at the Bureau. It was agreed that there should be no difficulty in obtaining, on a commercial scale, satisfactory yields of turpentine comparable with the American product. The resin obtained from the sample was also similar in character to commercial American resin.

A consignment of leaves of Lippia carviodora from Somaliland was examined recently to ascertain their commercial possibilities as a source of volatile oil. sample gave a yield of 3.15 per cent. of oil and the d-carvone isolated compared favourably with that from caraway oil ("Colonial Plant and Animal Products," 1951.II.2). It is thought that oil as represented by the sample should find a market in the U.K. for flavouring or perfumery purposes or as a source of carvone.

The Bureau shares with the Mineral Resources Division one of the finest technical libraries in Great Britain. It has also a well-appointed reading room, which is extensively used by visitors from the Colonies or from British manufacturers. Chemical examinations are undertaken for colonial territories free of charge, but fees are required for any major investigations carried out for the Dominions or for commercial firms in the U.K.

Nothing Barred .- I gave him digitalis without effect. I plugged him with mersalyl without any real effect on his cedema. I gave him vitamins. I would have given him everything in the Pharmaco-pœia if he had lived long enough. — A writer in the "Practitioner."

PRICE CHANGES

5,000 each 9 0

(I.R.P.=Inclusive Retail Pr	ice)
Doz.	Tax
s. d.	_%
Ward, Blenkinsop & Co., Ltd. (from Dexamphetamine sulphate	March
tablets, 5 mgm. 100	Nil Nil
500 1,000	Nil

Wright,	Layman	& Um	ney, L	td. (f	rom l	Mar
	's coa			,		
bath	size	• • •		11 9	$33\frac{1}{3}$	
Allen &	Hanbur	ys. Lta	d. (fro	m Feb	ruary	7 25
Allenbi	ırys m	alted	rusks	15 3	Niĺ	•

Lixen elixir, 4-fl. oz. ... 22 8-fl. oz. ... 39 33 disp. pack, 80-fl. oz., each 27 0 334 Allen & Hanburys, Ltd. (from February 2 Apyrogen (water for injec-

tion, B.P.) ampoules			
6 x 2 c.c	26	0	
12 X 2 C.C	44	O	
100 x 2 c.c each	25	0	
6 х 5 с.с	32		
12 X 5 C.C	58	0	
100 x 5 c.c each	31	0	
6 х 10 с .с	42	0	
12 X 10 C.C	78	0	

100 x 10 c.c. ... each 41 o
Prices of Apyrogen in glass-stopped bottle unchanged.

Proprietary Articles Trade Association

Alterations to the Protected List (Part 1) Denver Chemical Manufacturing Co. (Cl Islands and Irish Republic) 6 Nil Antiphlogistine

5-oz. 16 10½-oz. 29 Nil 16-oz. 39 32-oz. 68 6 Nil Nil 0 5-lb. 153 o Nil

Evans Medical Supplies, Ltd. (correction for Republic) Ephregel nasal jelly ... 18 о

Granto Laboratories, Ltd. (correction)
Plesolax is packed in cartons of forty and not as previously stated.

Hall, Forster & Co., Ltd. (from March 1 Forster's Fenolin vaporising fluid 13

22 0 28 0 Nil Forster's Eldon vaporiser Johnson & Johnson (Great Britain), Ltd.
Republic)

Johnson's baby powder ... Nil 14 cream ... 21 Nil 4 18 0 lotion Nil

Kress & Owen, Ltd. (Irish Republic) Glyco-Thymoline 6-oz. 25 4 3-oz. size discontinued.

Himrod Manufacturing Co. (agents: Roberts & Co , Lit.) Himrod's asthma remedy 56 9

Lofthouse & Saltmer, Ltd. (from March 1 Losall's asthma remedy 16 o 33\frac{1}{3}

Reckitt & Colman, Ltd. (Irish Republic) Dettol obstetric cream ... 13 6

Alterations to Protected List (Part 2) Thos. Christy & Co., Ltd. (additional Per-de-Co:—1 doz. invoiced as eleven 3 doz. and 4 invoiced as 3 doz.

A BRO



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